

SELEXIBLE F-ESB TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-ESB EASY STACKABLE FILM

F-ESB is a transparent BOPET film. The film is either one side Untreated "Functional" surface or Corona treated with the other side being Standard Primer Coated or Modified Primer Coated.

KEY FEATURES:

- Excellent machinability & good handling properties
- Specially modified functional surface is designed to prevent stacked bags from slipping in storage or during palletization
 High clarity
- Primer coating provides excellent adhesion with inks & adhesives



APPLICATION:

Printing & Lamination

• Easy stacking of bags & pouches

PROPERTIES		TEST METHOD	UNIT	TYPICAL	VALUES	
THICKNESS		Internal	Micron	12	23	
THICKNESS		interna	(Gauge)	48	92	
XIEL D		Internal	m² / kg	59.52	31.05	
HELD		internal	in² /lb	41934	21876	
SURFACE TENSION (min) #				5	52	
(Modified Primer Coated Surface) (Standard Primer Coated Surface)		ASTM D-2578	dyne/cm	L	0	
(Corona Treated Surface)				5	52	
COF (max)				1	.0	
(AU/AU or AT/AT)		ASTM D-1894	-	0.45		
(FL/AU or FL/AT)				0.	50	
HAZE (max)		ASTM D-1003	%	1.5	1.8	
	MD			1900	1900	
	TD		kg/cm²	2000	2000	
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-002	(D-i)	27000	27000	
	TD		(F3)	28500	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882		105	115	
	TD	ASTINE 002	%	85	90	
LINEAR SHRINKAGE (max)	MD	ASTM D_1204	%	3	.0	
(30 Minute at 150°C)	TD	ASTINI D 1204	10	1	.0	
		ASTM E_12/49	gm/m²/day	45	30	
יייע וא (38° C & 90% או) (typical)		A51011 1245	(gm/100 in²/day)	2.9	2.0	
		ASTM D_3985	cc/m²/day	130	80	
01R (23°C & 0% RH) (Lypical)		COEC-0 INITER	(cc/100 in²/day)	8.5	5.2	

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLE complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

DISCLAIMER

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F-ESC CONTROLLED SLIP FILM

F-ESC is a transparent BOPET film. The film is an Untreated "Functional" surface with the other surface being Standard Primer coated or Modified Primer Coated. Specially Modified functional Surface for less COF than F-ESB.

KEY FEATURES:

- Excellent machinability & good handling properties
- Specially modified functional surface is designed to prevent stacked bags from slipping in storage or during palletization
- Primer coating provides excellent adhesion with inks & adhesives





- Bags & Pouches

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
		Internal	Micron	12	23	
THICKINESS		Internal	(Gauge)	48	92	
VIEL D		Internal	m² / kg	59.52	31.05	
TILLD		internal	in² /lb	41934	21876	
SURFACE TENSION (min)#			dure a farm	5	52	
(Standard primer coated surface)		ASTIM D-2578	ayne/cm	Ĺ	•0	
				0.60	- 0.80	
(AU/AU or AT/AT)		ASTM D-1894	-	0.30 - 0.45		
(FL/AU or FL/AT)				0.30	- 0.45	
HAZE (max)		ASTM D-1003	%	1.5	1.8	
	MD			1900	1900	
TENSILE STRENGTH AT RREAK (min)	TD		kg/cm²	2000	2000	
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTINI D-002	(Dci)	27000	27000	
	TD		(1 5)/	28500	28500	
ELONGATION AT BREAK (min)	MD			105	115	
ELONGATION AT DREAK (IIIII)	TD	A31WI D-002	%	85	90	
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	0/	3	.0	
(30 Minute at 150°C)	TD	A31WD-1204	/0	1	.0	
		ΔSTM E_12/4	gm/m²/day	45	30	
MVTR (38°C & 90% RH) (typical)	L & 90% RH) (typical) AS		(gm/100 in²/day)	2.9	2.0	
		ASTM D_2005	cc/m²/day	130	80	
UTR (23°C & 0% RH) (Lypical)		R COSC-O INITCH	(cc/100 in²/day)	8.5	5.2	

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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F-HBS BOTH SIDE HEAT SELABLE BOPET FILM

F-HBS is a co-extruded both side sealable BOPET film.

KEY FEATURES:

- Very good clarity & transparency Excellent machinability & handling
- propertie • Seal to itself, APET, CPET & PVDC
- Does Not seal against PE, PP & PS



APPLICATION:

- Lap seal application
- Flexible tube sealing
- The film can be used in flexible packaging and industrial applications.

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
		Internal	Micron	12		
THERESS		Internal	(Gauge)	48		
YIELD		Internal	m² / kg	59.5		
		incerna.	in² /lb	41934		
SURFACE TENSION (min) # (Heat Selable side)		ASTM D-2578	dyne/cm	48		
COF (max) (Selable side to Selable Side)		ASTM D-1894	-	0.80		
HAZE (max)		ASTM D-1003	%	4.5		
	MD			1700		
TENSILE STRENGTH AT BREAK (min)	TD	ΔSTM D-882	kg/cm²	1900		
TENSILE STRENGTH AT BREAK (IIIII)	MD	151111 0 002	(Psi)	24200		
	TD		(·)	27000		
ELONGATION AT BREAK (min)	MD	ASTM D-882	9/	110		
	TD		70	85		
HEAT SEAL TEMP. RANGE (service temp.)	FIN SEAL	Internal	°C	110 - 200		
SEAL STRENGTH	FIN		ame/25mm	A/A=350		
(120°C, 1 sec, 2.8 bar)	SEAL	ASTIM D-862	gins/25mm	B/B=350		
LINEAR SHRINKAGE (max)	MD		0/	3.0		
(30 Minute at 150°C)	TD	ASTIVI D- 1204	76	1.0		
W//T.R. (38°C & 90% RH) (typical)		ASTM F-1249	gm/m²/day	45		
			(gm/100 in²/day)	2.9		
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	130		
			(cc/100 in²/day)	8.5		

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

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FOOD CONTACT

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SELEXIBLE F-HLS **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

F-HLS HEAT SEALABLE FILM

F-HLS is a co-extruded BOPET film. The film is one side Heat Sealable with other side either Corona Treated or Untreated.

KEY FEATURES:

High clarity

- Excellent machinability & handling properties
- Seals to itself, APET, CPET, & PVDC
- Does not seal against PE, PP, or PS
- Designed to have a thicker coat weight
- & higher seal strength than F-HSP



APPLICATION:

Tack seal application

Food tray sealing

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
THICKNESS		late and	Micron	12		
THICKNESS		Internal	(Gauge)	48		
XIEL D		Internal	m² / kg	59.52		
HEED		interna	in² /lb	41934		
SURFACE TENSION (min)# (Heat Sealable Surface) (Corona Treated Surface)		ASTM D-2578	dyne/cm	52		
COF (max)				0.50		
(Heat Sealable to Corona Treated Surface) (Heat Sealable to Corona Treated Surf	ace)	ASTM D-1894	-	0.60		
HAZE (max)		ASTM D-1003	%	4.0		
	MD			1700		
TENSILE STRENGTH AT BREAK (min)	TD		kg/cm²	1900		
	MD	ASTIVI D-002	(Psi) -	24200		
	TD			27000		
ΕΙ ΟΝGΑΤΙΟΝ ΑΤ ΒΡΕΔΚ	MD	ΔSTM D-882		115		
	TD	1.51111 5 662	70	85		
LINEAR SHRINKAGE (max)	MD	4STM D-1204	%	3.0		
(30 Minute at 150°C)	TD			1.0		
HEAT SEAL TEMP. RANGE		Internal	°C	110-200		
SEAL STRENGTH (260°F,1 sec,40psi)	FIN SEAL	ASTM D-882	gm/25mm	550		
		ASTM F-1249	gm/m²/day	45		
1010 IR (30 C & 30% RD) (Lypical)			(gm/100 in²/day)	2.9		
		ASTM D-3985	cc/m²/day	130		
			(cc/100 in²/day)	8.5		

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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FOOD CONTACT

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FILM STRUCTURE



SELEXIBLE F-HSP TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-HSP HEAT SEALABLE FILM

F-HSP is a co-extruded polyester film. The film is one side Heat Sealable with other side either Corona Treated or Untreated.

KEY FEATURES:

- High clarity
- Excellent machinability & handling properties
- Seals to itself, APET, CPET, & PVDC
- Does not seal against PE, PP, or PS



• Tack seal application

- Food tray sealing

PROPERTIES		TEST METHOD	UNIT				TYPICAL V	ALUES		
THICKNESS		Internal	Micron	12	15	20	23	25	30	50
THERESS		internal	(Gauge)	48	60	80	92	100	120	200
VIELD		Internal	m² / kg	59.52	47.62	35.70	31.05	28.57	23.80	14.28
HELD		internal	in² /lb	41934	33550	25159	21876	20126	16768	10060
SURFACE TENSION (min)# (Corona Treated Surface)		ASTM D-2578	dyne/cm				52			
COF (max)		45TM D-189/	_	0.50	0.50	0.50	0.50	0.50	0.50	0.50
(Untreated to Heat Sealable S (Corona Treated to Heat Seal S	urface) Surface)	ASTIVID 1034		0.60	0.60	0.60	0.60	0.60	0.60	0.60
HAZE (max)		ASTM D-1003	%	4.5	4.5	4.5	5.0	5.0	5.5	6.0
	MD	ASTM D-882		1700	1700	1600	1600	1600	1600	1600
TENSII E STRENGTH	TD		kg/cm²	1900	1900	2000	2000	2000	2000	2000
AT BREAK (min)	MD		(Psi)	24200	24200	22700	22700	22700	22700	22700
	TD		(1 5))	27000	27000	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD	ASTM D-882		115	115	120	120	120	120	125
(min)	TD	ASTIM D 002	%	85	85	90	90	90	90	95
LINEAR SHRINKAGE (max)	MD	ASTM D 1204	9/				3.0			
(30 Minute at 150°C)	TD	A31101D-1204	/0		1.0					
HEAT SEAL TEMP. RANGE		Internal	°C	110-200	110-200	120-200	120-200	120-200	120-200	120-200
SEAL STRENGTH (120°C, 1 sec. 2.8 bar)	FIN SEAL	ASTM D-882	gm/25mm	400	500	600	700	750	800	1000
MV/TP (38°C & 90% PH) (typic	-l\	ASTM F-1249	gm/m²/day	45	40	35	30	30	25	16
1010 TR (50 C & 50% RH) (typic	αι		(gm/100 in²/day)	2.9	2.6	2.3	2.0	2.0	1.6	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	130	110	90	80	80	75	45
			(cc/100 in²/day)	8.5	7.1	5.8	5.2	5.2	4.8	2.9

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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F-HSP-S LOW COF HEAT SEALABLE FILM

F-HSP-S is a co-extruded BOPET film. The film is one side Heat Sealable with other side either Corona Treated or Untreated.

KEY FEATURES:

- High clarity
- Excellent machinability & handling properties
- Seals to itself, APET, CPET, & PVDC
- Does not seal against PE, PP, or PS



• Tack seal application

Food tray sealing

Food tray sealing

PROPERTIES		TEST METHOD	UNIT			TYF				
		Internal	Micron	12	15	20	23	30	50	
THICKNESS		internal	(Gauge)	48	60	80	92	120	200	
		Internal	m² / kg	59.52	47.62	35.70	31.05	23.80	14.28	
need		internal	in² /lb	41934	33550	25159	21876	16768	10060	
SURFACE TENSION (min) # (Corona Treated Surface)		ASTM D-2578	dyne/cm		52					
COF (max)				0.35	0.35	0.35	0.35	0.35	0.35	
(Heat Sealable to Heat Seal Si	urface)	ASTM D-1894	-	0.50	0.50	0.50	0.50	0.50	0.50	
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.5	5.0	5.5	6.0	
	MD			1700	1700	1600	1600	1600	1600	
TENSII E STRENGTH	TD	ASTM D-882	kg/cm²	1900	1900	2000	2000	2000	2000	
AT BREAK (min)	MD		(Psi)	24200	24200	22700	22700	22700	22700	
	TD		(1.5.1)	27000	27000	28500	28500	28500	28500	
ELONGATION AT BREAK	MD	45TM D-882	N	115	115	120	120	120	125	
(min)	TD	7.511110 002	%	85	85	90	90	90	95	
LINEAR SHRINKAGE (max)	MD	ΔSTM D-1204	%	3.0						
(30 Minute at 150℃)	TD	ASTIM D 1204	70	1.0						
HEAT SEAL TEMP. RANGE		Internal	°C	110-200	110-200	120-200	120-200	120-200	120-200	
SEAL STRENGTH (120°C,1 sec, 2.8 bar)	FIN SEAL	ASTM D-882	gm/25mm	400	500	600	700	800	1000	
MI/TE (38°C & 00% EH) (typ	ical)	ASTM F-1249	gm/m²/day	45	40	35	30	25	16	
	icuij		(gm/100 in²/day)	2.9	2.6	2.3	2.0	1.6	1.0	
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m²/day	130	110	90	80	75	45	
	1		(cc/100 in²/day)	8.5	7.1	5.8	5.2	4.8	2.9	

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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Selexible



SELEXIBLE F-HSP-U1 **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

F-HSP-U1 CHEMICAL COATED HEAT SEALABLE FILM

F-HSP-U1 is a co-extruded BOPET film. The film is Heat Sealable on one side with the other side UPF Chemical Coated.

KEY FEATURES:

• One side special modified heat seal functional surface has excellent heat seal strength

- Good handling properties with excellent metal adhesion
- Seals to itself, APET, CPET, & PVDC
- Does not seal against PE, PP, or PS



APPLICATION:

- Lidding & Laminate
- Flexible Packaging
- Food tray applications

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	12	20	23	
THICKNESS		interna	(Gauge)	48	80	92	
YIFI D		Internal	m² / kg	59.52	35.70	31.05	
need		internal	in² /lb	41934	25159	21876	
SURFACE TENSION (min) # (Chemical Coated Surface)		ASTM D-2578	dyne/cm	48			
COF (max) (One side to the other side)		ASTM D-1894 - 0.60 0.60 0.60				0.60	
HAZE (max)		ASTM D-1003	%	4.0	4.5	5.0	
	MD		kg/cm²	1700	1600	1600	
TENSII E STRENGTH	TD	ASTM D-882		1900	2000	2000	
AT BREAK (min)	MD		(Psi) -	24200	22700	22700	
	TD			27000	28500	28500	
ELONGATION AT BREAK	MD	ASTM D-882		115	120	120	
(min)	TD	ASTATE 002	%	85	90	90	
LINEAR SHRINKAGE (max)	MD	ΔSTM D-1204	%	3.0			
(30 Minute at 150°C)	TD	7.511110 1204	,5	1.0			
HEAT SEAL TEMP. RANGE		Internal	°C	110-200	120-200	120-200	
SEAL STRENGTH (120°C, 1 sec, 2.8 bar)	FIN SEAL	ASTM D-882	gm/25mm	400	600	700	
MI/TE (200 C & 0.0% ELL) /tun	ical)	ASTM F-1249	gm/m²/day	45	35	30	
1010 1 R (30-C & 90% RH) (LYP	icdi)		(gm/100 in²/day)	2.9	2.3	2.0	
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m²/day	130	90	80	
			(cc/100 in²/day)	0.0	5.8	5.2	

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STORAGE & HANDLING

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Selexible



FILM STRUCTURE

F-ISC ISOTROPIC CHEMICAL COATED FILM

F-ISC is a transparent BOPET film. The film is one side Chemically Coated & one side Untreated or Corona Treated.

KEY FEATURES:

- High clarity
- Primer coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling properties
- Excellent metal adhesion on the Chemically Coated side
- Not suitable for hot fill, sterilization, or pasteurization
- Balanced mechanical properties in all directions



APPLICATION:

- Converting, Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures
- Lidding application on dairy products

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
		Internal	Micron	12		
THICKNESS		internal	(Gauge)	48		
		Internal	m² / kg	59.52		
HELD			in² /lb	41934		
SURFACE TENSION (min) #				52		
(Corona Treated surface) (Chemical Coated surface)		ASTM D-2578	dyne/cm	60		
COF (max) (One side to other side)		ASTM D-1894	-	0.50		
HAZE (max)		ASTM D-1003	%	4.0		
	MD			1800		
TENSILE STRENGTH	TD		kg/cm²	1900		
AT BREAK (min)	MD	ASTWD 002	(Dci)	25500		
	TD		(1.51)	27000		
ELONGATION AT BREAK	MD			110		
(min)	TD	ASTIVI D-082	%	95		
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	9/	3.0		
(30 Minute at 150℃)	TD	ASTIM D-1204	70	1.0		
		ASTM E-12/49	gm/m²/day	45		
WVTR (38°C & 90% RH) (typi	cal)	A51W1 1245	(gm/100 in²/day)	2.9		
OTR (23°C & 0% RH) (typical))	ASTM D-3985	cc/m²/day	130		
	,		(cc/100 in²/day)	8.5		

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a closed warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLE complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

DISCLAIMER

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SELEXIBLE F-IST **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

F-IST ISOTROPIC FILM

F-IST is a transparent BOPET film. The film has one side Untreated with the other side being Corona Treated or both sides Untreated.

KEY FEATURES:

- Excellent clarity
- Corona treatment improves bonding
- Improved tensile & elongation properties
- Excellent machinability & handling properties
- Balanced mechanical properties in all directions



APPLICATION:

- Paper Lamination
- This film grade is ideal for lidding applications on dairy products

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES				
		Internal	Micron	12	23	36			
THICKNESS		internal	(Gauge)	48	92	144			
		Internal	m² / kg	59.52	31.05	19.84			
HELD			in² /lb	41934	21876	13978			
SURFACE TENSION (min) # (Corona Treated)		ASTM D-2578	dyne/cm		52				
COF (max) (Untreated to Corona Treated)		ASTM D-1894	-	0.50	0.50	0.45			
HAZE (max)		ASTM D-1003	%	4.0	4.5	5.0			
	MD		kg/cm²	1800	1800	1700			
TENSII E STRENGTH	TD	45TM D-882		1900	1900	1900			
AT BREAK (min)	MD	ASTWED 002	(Psi)	25500	25500	24200			
	TD		(1 5))	27000	27000	27000			
ELONGATION AT BREAK	MD	ASTM D_992		110	120	130			
(min)	TD	ASTWEE 002	%	95	100	100			
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	9/		3.0				
(30 Minute at 150℃)	TD	ASTIM D-1204	76		1.0				
	i e e l l	ΔSTM E-1249	gm/m²/day	45	30	20			
WIV I R (38° C & 90% RH) (typ	ICdI)	7.510111245	(gm/100 in²/day)	2.9	2.0	1.3			
OTP /230C & 0% PH\ /typica	I)	ASTM D-3985	cc/m²/day	130	80	70			
	,		(cc/100 in²/day)	8.5	5.2	4.5			

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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SELEXIBLE F-MAT TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-MAT MATTE FILM

F-MAT is a matte effect BOPET film. The film is either both sides Untreated or one side Untreated with the other side being Corona Treated.

KEY FEATURES:

- Excellent matte effect
- Corona Treatment improves bonding
- Excellent machinability & handling properties
- Good stiffness



APPLICATION:

- Thermal Lamination
- Label Application
- Conversion Application
- Board Lamination

PROPERTIES	ROPERTIES TEST METHOD UNIT TYPICAL VALUES						
THICKNESS		Internal	Micron	12	15	19	23
THERMESS		Internal	(Gauge)	48	60	76	92
VIELD		Internal	m² / kg	59.52	47.62	37.59	31.05
		internal	in² /lb	41934	33548	26483	21876
SURFACE TENSION (min) # (Corona Treated Surface)		ASTM D-2578	dyne/cm		52		
COF (max)				0.45	0.45	0.45	0.45
(Untreated to Untreated) (Untreated to Corona Treated)		ASTINI D-1894	-	0.50	0.50	0.50	0.50
HAZE (min)		ASTM D-1003	%	40	40	45	45
	MD		kg/cm²	1700	1700	1700	1600
TENSII E STDENGTH	TD			2000	2000	2000	2000
AT BREAK (min)	MD	ASTWD-002	(Psi)	24200	24200	24200	22700
	TD		(13)	28500	28500	28500	28500
ELONGATION AT BREAK	MD	ΔSTM D-882	N	110	110	120	130
(min)	TD	1511110 002	%	75	75	80	85
LINEAR SHRINKAGE (max)	MD	ASTM D-1204	%		3.	.0	
(30 Minute at 150°C)	TD	101110 1201			1.	.0	
MV/TD (38°C & 90% DH) (typi	cal)	ASTM F-1249	gm/m²/day	45	40	35	30
	cuij		(gm/100 in²/day)	2.9	2.6	2.3	2.0
OTR (23ºC & O% RH) (typical		ASTM D-3985	cc/m²/day	130	110	90	80
	'		(cc/100 in²/day)	8.5	7.1	5.8	5.2

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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FILM STRUCTURE

F-MAU STANDARD PRIMER COATED MATTE BOPET FILM

F-MAU is a matt effect polyester film. It is one side Standard Primer coating and other side untreated.

KEY FEATURES:

- Very good matt effect
- One side chemical primer provide excellent
- adhesion with inks & adhesives
- Excellent machinability & handling properties
- Good stiffness



APPLICATION:

- Board lamination
- Thermal application
- Label & conversion application

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES		
		Internal	Micron	12	19	23	
THERE'S		internar	(Gauge)	48	48 76 92		
XIELD.		Internal	m² / kg	59.52	37.59	31.05	
TILLD		internar	in² /lb	41934 26483 21876			
SURFACE TENSION (min) # (Standard Primer Coated Surface)		ASTM D-2578	dyne/cm	40			
COF (max) (One side to the other side)		ASTM D-1894	-	0.45			
HAZE (min)		ASTM D-1003	%	40 45 45		45	
	MD		kg/cm²	1700	1700	1600	
	TD			2000	2000	2000	
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-002	(Dci)	24200	24200	22700	
	TD		(1-51)	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882		110	120	130	
	TD	ASTIM D 002	%	75	80	85	
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	0/		3.0		
(30 Minute at 150°C)	TD	ASTIM D-1204	/0		1.0		
W/VTP (38°C & 90% PH) (typical)		ASTM F-1249	gm/m²/day	45	35	30	
			(gm/100 in²/day)	2.9	2.3	2.0	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	130	90	80	
			(cc/100 in²/day)	8.5	5.8	5.2	

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

SELEXIBLE need to be stored in a warehouse below 35°C (95° F) and should not be exposed to direct sunlight, bright light sources or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from date of shipment.

FOOD CONTACT

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SELEXIBLE F-MCH **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

FILM STRUCTURE

F-MCH CHEMICAL COATED MATTE FILM

F-MCH is a matte effect BOPET film. The film is Chemical Coated on one side and Untreated on the other side.

KEY FEATURES:

- Excellent matte effect Chemical Coating provides excellent adhesion with various inks and
- adhesives Excellent machinability & handling properties
- Good stiffness



Coating Matte Effect Skin Layer

Matte Core Layer

Matte Effect Skin Layer (Untreated)

APPLICATION:

- Board Lamination
- Label Application
- Conversion Application
- Thermal Application

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES			
		Internal.	Micron	12	19	23		
THICKNESS		internal	(Gauge)	48	76	92		
		Internal	m² / kg	59.52	37.59	31.05		
TIELD		internal	in² /lb	41934	26483	21876		
SURFACE TENSION (min) # (Chemical Coated Surface)		ASTM D-2578	dyne/cm		60			
COF (max) (Untreated to Chemical Coated)		ASTM D-1894	-	0.45	0.45	0.45		
HAZE (min)		ASTM D-1003	%	40	40 45			
	MD			1700	1700	1600		
TENSII E STRENGTH	TD	ASTM D-882	kg/cm²	2000	2000	2000		
AT BREAK (min)	MD		(Psi)	24200	24200	22700		
	TD		(15)	28500	28500	28500		
ELONGATION AT BREAK	MD			110	120	130		
(min)	TD	ASTIVI D-002	%	75	80	85		
LINEAR SHRINKAGE (max)	MD	ASTM D 1204	٥/		3.0			
(30 Minute at 150°C)	TD	A51WID-1204	70		1.0			
	icell	ΔSTM E-1249	gm/m²/day	45	35	30		
WW IK (50°C & 90% RH) (LYP	ildi)	7.5	(gm/100 in²/day)	2.9	2.3	2.0		
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m²/day	130	90	80		
	,		(cc/100 in²/day)	8.5	5.8	5.2		

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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SELEXIBLE F-MES TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-MES EASY STACKABLE MATTE EFFECT BOPET FILM

F-MES is a matt effect polyester film. It is one side Matt corona treated surface other side glossy Untreated surface.

KEY FEATURES:

- High Coefficent of Friction
 Excellent machinability & handling properties
- One side special modified surface for stacking of bags to prevent from slippage in storage or palletization, Other side corona treatment provide good adhesion with inks & adhesives
- Very good matt effect



APPLICATION:

- Printing & lamination
- Bag & pouch

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES
		Internal	Micron	12
THICKINESS		internal	(Gauge)	48
VIEL D		Internal	m² / kg	59.52
		internar	in² /lb	41934
SURFACE TENSION (min) # (Corona treated Side)		ASTM D-2578	dyne/cm	52
COF (max) (One side to the other side)		ASTM D-1894	-	0.70
HAZE (max)		ASTM D-1003	%	35
	MD			1900
TENSILE STRENGTH AT RREAK (min)	TD		kg/cm²	2000
TENSILE STRENGTT AT BREAK (IIIII)	MD	A31WI D-002	(Psi)	27000
	TD		(1.21)	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882		110
	TD		%	80
LINEAR SHRINKAGE (max)	MD	ASTM D 1204	0/	3.0
(30 Minute at 150°C)	TD	ASTIM D=1204	/0	1.0
		ASTM F-1249	gm/m²/day	45
W.V.I.R. (38 C & 90% RH) (typical)		/10/11/12/10	(gm/100 in²/day)	2.9
		ASTM D-3985	cc/m²/day	130
			(cc/100 in²/day)	8.5

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

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FOOD CONTACT

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SELEXIBLE F-MHS **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

F-MHS MATTE HEAT SEALABLE FILM

F-MHS is a co-extruded matte effect BOPET film. The film is one side Untreated Heat Sealable Surface with other side either Corona Treated or Untreated.

FILM STRUCTURE



KEY FEATURES:

- Excellent matte effect
- Corona Treatment improves bonding
- Excellent machinability &
- handling propertiesSeals to itself, APET, CPET &
- **PVDC** Does not seal against PE, PP or
- PS

APPLICATION:

- Tack Seal application
- Food tray sealing
- Conversion Application
- Board Lamination

PROPERTIES		TEST METHOD	UNIT		TYPICAL VAL	UES
		Internal.	Micron	12	19	23
THICKNESS		internai	(Gauge)	48	76	92
		Internal	m² / kg	59.52	37.59	31.05
TIELD		internal	in² /lb	41934	26483	21876
SURFACE TENSION (min) # (Corona Treated surface)		ASTM D-2578	dyne/cm		52	
COF (max)				0.50	0.50	0.50
(Untreated to Untreated) (Untreated to Corona Treate	ed)	ASTM D-1894	-	0.60	0.60	0.60
HAZE (min)		ASTM D-1003	%	40	45	45
	MD			1700	1700	1600
	TD		kg/cm²	2000	2000	2000
AT BREAK (min)	MD	A31WI D-662	(Dci)	24200	24200	22700
	TD		(1.51)	28500	28500	28500
ELONGATION AT BREAK	MD			110	120	130
(min)	TD	ASTIVI D-002	%	75	80	85
LINEAR SHRINKAGE (max)	MD	ASTM D 1204	٥/		3.0	
(30 Minute at 150°C)	TD	A31WID-1204	70		1.0	
HEAT SEAL TEMP. RANGE		Internal	°C	110-200	120-200	120-200
SEAL STRENGTH FI (120°C, 1 sec, 2.8 bar)	N SEAL	ASTM D-882	gms / 25 mm	400	500	600
	·	ASTM E_12/0	gm/m²/day	45	35	30
WVTR (38°C & 90% RH) (typ	ical)	A51011-1245	(gm/100 in²/day)	2.9	2.3	2.0
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m²/day	130	90	80
	·,		(cc/100 in²/day)	8.5	5.8	5.2

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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F-MUF

SELEXIBLE F-MUF TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

FILM STRUCTURE

MATTE POLYESTER FILM

F-MUF is a matte BOPET film. It is one side special Chemical Coated with the other side being Untreated or corona treated

KEY FEATURES:

- Very good matte effect
 Special Chemical Coating provides excellent adhesion with inks and adhesives
- Excellent machinability & handling properties
- Good stiffness

Special Chemical Coating Matte Effect Skin Layer Matte Core Layer Matte Effect Skin Layer Coronoa Treated/ Untreated Layer

APPLICATION:

- Board Lamination
- Label and Conversion application
- Hot Fill, Pasteurization, Sterilization & Retort application up to 121°C/30 min**
- Thermal Application

** Selection of specific ink & a	dhesive c	lesigned for Retort applic	ation			- ·· FF ·····					
PROPERTIES		TEST METHOD	UNIT			TYPICAL VA	LUES				
			Micron	10	12	19	23	50			
THICKNESS		Internal	(Gauge)	40	40 48		92	200			
YIELD.		Internal	m² / kg	71.42	59.52 37.59		31.05	14.28			
need			in² /lb	50318	41934	26483	21876 10060				
SURFACE TENSION (min) # (Special Chemical Coated Su	irface)	ASTM D-2578	dyne/cm	48							
COF (max) (one side to other side)		ASTM D-1894	-		0.45						
HAZE (min)		ASTM D-1003	%	40	40	45	45	70			
	MD			1700	1700	1700	1600	1500			
	TD		kg/cm²	2000	2000	2000	2000	2000			
AT BREAK (min)	MD	ASTIVI D-662	(Dci)	24200	24200	24200	22700	21300			
	TD		(PSI)	28500	28500	28500	28500	28500			
ELONGATION AT BREAK	MD			110	110	120	130	200			
(min)	TD	A31WI D-662	%	75	75	80	85	90			
LINEAR SHRINKAGE (max)	MD	ASTM D_1204	9/			3.0					
(30 Minute at 150℃)	TD	A51WID-1204	70			1.0					
	i.eel)	ASTM E-12/9	gm/m²/day	50	45	35	30	16			
190% RH) (typ	icdl)	AJ1011 (243	(gm/100 in²/day)	3.2	2.9	2.3	2.0	1.0			
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m²/day	155	130	90	80	45			
(,		(cc/100 in²/day)	10.1	8.5	5.8	5.2	2.9			

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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FOOD CONTACT

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Selexible

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www.selexibleplastic.com



F-MTG METALLIZING GRADE FILM

F-MTG is a transparent BOPET film. The film is either both sides Untreated or one side Corona Treated with the other side Untreated.

KEY FEATURES:

- Excellent clarity
- High surface energy on treated side gives good metal adhesion
- Excellent machinability & handling properties
- Very good gloss after metallization
- Corona treatment improves bonding



APPLICATION:

- Vacuum metallization
- Used as a barrier substrate in laminate after metallization

PROPERTIES		TEST METHOD	UNIT				ТҮР	I CTATP MORE		5		
THICKNESS			Micron	9	10	11	12	15	19	23	36	50
THICKNESS		Internal	(Gauge)	36	40	44	48	60	76	92	144	200
		laterral.	m² / kg	79.36	71.42	64.93	59.52	47.62	37.59	31.05	19.84	14.28
TILLU		Internai	in² /lb	55912	50318	45745	41934	33550	26483	21876	13978	10060
SURFACE TENSION (min) # (Corona side)	ASTM D-2578	dyne/cm		52								
COF (max) (Corona Treated to Untreated)		ASTM D 1904		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.45	0.45
(Untreated to Untreated) (Untreated to Untreated)		ASTMI D- 1894	-	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.0	6.0
	MD			1900	1900	1900	1900	1900	1900	1900	1750	1750
	TD		kg/cm ²	2000	2000	2000	2000	2000	2000	2000	2000	2000
AT BREAK (min)	MD	ASTIVI D-882	(D-:)	27000	27000	27000	27000	27000	27000	27000	25000	25000
	TD		(FSI)	28500	28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD			90	100	100	105	105	110	115	120	125
(min)	TD	ASTIVI D-882	%	80	80	85	85	85	85	90	90	95
LINEAR SHRINKAGE (max)	MD		9/					3.0				
(30 Minute at 150°C)	TD	ASTIM D-1204	/0					1.0				
MV/TD (38°C & 90% DH) (typi	cal)	ΔSTM E-1249	gm/m²/day	50	50	45	45	40	35	30	20	16
	cuij	1.51 1245	(gm/100 in²/day)	3.2	3.2	2.9	2.9	2.6	2.3	2.0	1.3	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	155	130	130	110	90	80	70	45
			(cc/100 in²/day)	10.1	10.1	8.5	8.5	7.1	5.8	5.2	4.5	2.9

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLE complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

DISCLAIMER

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Selexible



SELEXIBLE F-CSP TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-CSP CO-EXTRUDED FILM

F-CSP is a transparent BOPET film. The film has a special functional layer on one side and untreated on the other side. The film is tack sealable.

KEY FEATURES:

- Outstanding metal adhesion
- Good machinability & handling properties
- Functional surface has excellent adhesion with inks & adhesive
- Useful for tack sealing

FILM STRUCTURE

APPLICATION:

- Printing & Lamination
- Metallization
- Hot filling, Sterilization, & Pasteurization

PROPERTIES		TEST METHOD	UNIT		TYPICAL	VALUES	
THICKNESS		Internal	Micron	10	12	15	23
THICKNESS		internal	(Gauge)	40	48	60	92
		Internal	m² / kg	71.42	59.52	47.62	31.05
need		internal	in² /lb	50318	41934	33448	21876
COF (max) (Untreated to Special Functional Surface)		ASTM D-1894	-	0.50	0.50	0.50	0.50
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.5
	MD			1700	1700	1700	1700
	TD		kg/cm ²	1900	1900	1900	1900
AT BREAK (min)	MD	A31WID-002	(Dci)	24200	24200	24200	24200
	TD		(FSI)	27000	27000	27000	27000
ELONGATION AT BREAK	MD	ASTM D-882		100	100	105	115
(min)	TD	ASTIM D 002	%	80	85	85	90
LINEAR SHRINKAGE (max)	MD	ASTM D-120/	%		3	.0	
(30 Minute at 150℃)	TD	A51010 1204	70		1.	.0	
MI/TD (38°C & 00% DH) (tun	ical)	ASTM F-1249	gm/m²/day	50	45	40	30
	icuij		(gm/100 in²/day)	3.2	2.9	2.3	2.0
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m²/day	155	130	110	80
	,		(cc/100 in²/day)	10.1	8.5	7.1	5.2

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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Selexible



SELEXIBLE F-CLR-A1 & A2 TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

FILM STRUCTURE

F-CLR-A1 & A2 STANDARD PRIMER COATED OPTICALLY CLEAR FILM

F-CLR-A1 & A2 are transparent low haze BOPET film. F-CLR-A1 is one side Corona Treated & the other side Standard Primer Coated. F-CLR-A2 is one side Untreated & the other side Standard Primer Coated.

KEY FEATURES:

- Excellent clarity
- Corona Treatment improves bonding
- Standard Primer coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling
- properties



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structure
- Hot fill & Pasteurization

PROPERTIES		TEST METHOD	UNIT		T	YPICAL VAI	LUES		
THICKNESS		Internal	Micron	10	12	23	36	50	
THICKNESS		internal	(Gauge)	40	48	92	144	200	
XIEL D		Internal	m² / kg	71.42	59.52	31.05	19.84	14.28	
		internal	in² /lb	50318	41934	21876	13978	10060	
SURFACE TENSION (min) #			dura (are			40			
(Corona Treated surface)		ASTM D-2578	dyne/cm	52					
COF (max)				0.45	0.45	0.45	0.45	0.45	
(Standard Primer to Untreated) (Standard Primer to Corona Treated)		ASTM D-1894	-	0.50	0.50	0.50	0.50	0.50	
HAZE (max)		ASTM D-1003	%	2.5	2.5	2.6	2.8	2.8	
	MD			1900	1900	1900	1750	1750	
	TD		kg/cm²	2000	2000	2000	2000	2000	
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-882	(Dci)	27000	27000	27000	25000	25000	
	TD		(F5)	28500	28500	28500	28500	28500	
	MD	ASTM D_992		100	105	115	120	125	
ELONGATION AT DREAK (TIM)	TD		%	80	85	90	90	95	
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	0/			3.0			
(30 Minute at 150°C) TD		A31WD-1204	/0			1.0			
		ASTM F-1249	gm/m²/day	50	45	30	20	16	
WWWW(50°C & 50% WI) (typical)			(gm/100 in²/day)	3.2	2.9	2.0	1.3	1.0	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	80	70	45	
			(cc/100 in²/day)	10.1	8.5	5.2	4.5	2.9	

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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FOOD CONTACT

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Selexible



SELEXIBLE F-CLR-C1 & C2 TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-CLR-C1 & C2 CHEMICAL COATED OPTICALLY CLEAR FILM

F-CLR-C1 & C2 are transparent low haze BOPET film. F-CLR-C1 is one side Corona Treated & the other side Chemical Coated. F-CLR-C2 is one side Untreated & the other side Chemical Coated.

KEY FEATURES:

- Excellent clarity
- Corona treatment improves bonding
- Chemical Coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling properties
- Excellent metal adhesion
- Not suitable for hot filling, Sterilization, or Pasteurization



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Solvent & Water base coating
- Embossing & Holograms

PROPERTIES		TEST METHOD	UNIT		٦	YPICAL VA	LUES	
THICKNESS		Internal	Micron	11	12	23	36	50
THICKNESS		interna	(Gauge)	44	48	92	144	200
XIEL D		Internal	m² / kg	64.93	59.52	31.05	19.84	14.28
TILLD		internal	in² /lb	45745	41934	21876	13978	10060
SURFACE TENSION (min) #			dura (area			60		
(Corona treated surface)		ASTM D-2578	dyne/cm			52		
COF (max)				0.50	0.50	0.50	0.45	0.45
(Chemical Coated to Untreated) (Chemical Coated to Corona Treated)		ASTM D-1894	-	0.55	0.55	0.55	0.50	0.45
HAZE (max)		ASTM D-1003	%	2.4	2.5	2.6	2.8	2.8
	MD			1900	1900	1900	1750	1750
	TD		kg/cm²	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-882	(Dci)	27000	27000	27000	25000	25000
	TD		(F 51)	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D_992		100	105	115	120	125
ELONGATION AT DREAK (IIIII)	TD	A31101 D-002	%	85	85	90	90	95
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	9,		-	3.0	-	
(30 Minute at 150°C)	TD	ASTWD-1204	10			1.0		
		ASTM F-1249	gm/m²/day	45	45	30	20	16
WWWW(50°C & 30% KH/ (typical)			(gm/100 in²/day)	2.9	2.9	2.0	1.3	1.0
OTB (23°C & 0% BH) (typical)		ASTM D-3985	cc/m²/day	130	130	80	70	45
			(cc/100 in²/day)	8.5	8.5	5.2	4.5	2.9

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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FOOD CONTACT

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Selexible



FILM STRUCTURE

F-CLR-T1 & T2 MODIFIED PRIMER COATED OPTICALLY CLEAR FILM

F-CLR-T1 & T2 are transparent low haze BOPET films. F-CLR-T1 is one side Corona Treated & the other side Modified Primer Coated. F-CLR-T2 is one side Untreated & the other side Modified Primer Coated.

KEY FEATURES:

- Excellent clarity
- Corona treatment improves bonding
- Modified Primer Coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling
- properties
- Improved metal adhesion



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structure

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES				
		Internal	Micron	12	23	36			
THICKNESS		interna	(Gauge)	48	92	144			
XIEL D		Internal	m² / kg	59.52	31.05	19.84			
TILLD		internal	in² /lb	41934	21876	13978			
SURFACE TENSION (min)#			dura (are						
(Corona Treated surface)		ASTIM D-2578	ayne/cm	52					
COF (max)				0.50	0.50	0.45			
(Modified Primer to Corona Treated)		ASTMI D- 1894	-	0.55	0.55	0.50			
HAZE (max)		ASTM D-1003	%	2.5	2.6	2.8			
	MD			1900	1900	1750			
	TD		kg/cm²	2000	2000	2000			
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-882	(Dci)	27000	27000	25000			
	TD		(F5)/	28500	28500	28500			
	MD			105	115	120			
ELONGATION AT DREAK (IIIII)	TD	A31WI D-002	%	85	90	90			
LINEAR SHRINKAGE (max)	MD	ASTM D_1204	0/		3.0				
(30 Minute at 150°C)	TD	A31M D-1204	10		1.0				
		ASTM F-1249	gm/m²/day	45	30	20			
WWWW(50°C & 50% KH) (typical)			(gm/100 in²/day)	2.9	2.0	1.3			
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	130	80	70			
			(cc/100 in²/day)	8.5	5.2	4.5			

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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FOOD CONTACT

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Selexible



SELEXIBLE F-UVC TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-UVC UVC CHEMICAL COATED FILM FOR UV OFFSET SHEET PRINTING

F-UVC is a transparent polyester film. The film is one side UVC chemical coated other side corona treated or Untreated.

KEY FEATURES:

- Good optical properties
- Good machinability & handling properties
- Coated side suitable for UV offset sheet printing



APPLICATION:

 Film is designed for UV off set sheet printing in box lamination

PROPERTIES		TEST METHOD	UNIT	TYPICAL	VALUES
THICKNESS		Internal	Micron	10	12
THERNESS		internal	(Gauge)	40	48
XIEL D		Intornal	m² / kg	71.42	59.52
		internal	in² /lb	50318	41934
SURFACE TENSION (min) # (LIVC Chemical coated Side)		ASTM D-2578	dyne/cm	4	2
(Corona treated Side)				5	2
COF (max) (One side to the other side)		ASTM D-1894	-	0.55	0.50
HAZE (max)		ASTM D-1003	%	4.0	4.0
	MD			1900	1900
TENSILE STRENGTH AT RREAK (min)	TD		kg/cm²	2000	2000
	MD	ASIM D-882	(Dci)	27000	27000
	TD		(1.5)	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882		100	105
	TD	ASTIN D 002	%	80	85
LINEAR SHRINKAGE (max)	MD	ASTM D_1206	0/	3	.0
(30 Minute at 150°C)	TD	A51WD-1204	10	1	.0
		ASTM F-1249	gm/m²/day	50	45
W.V.1.R. (58 C & 50% RH) (typical)			(gm/100 in²/day)	3.2	2.9
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130
			(cc/100 in²/day)	10.1	8.5

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

SELEXIBLE need to be stored in a warehouse below 35°C (95° F) and should not be exposed to direct sunlight, bright light sources or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from date of shipment

FOOD CONTACT

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DISCLAIMER

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Selexible



SELEXIBLE F-ATT TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-ATT MODIFIED PRIMER COATED FILM

F-ATT is a transparent BOPET film. The film is one side Modified Primer Coated and the other side Corona Treated.

KEY FEATURES:

Very good transparency and clarity
Modified Primer coating provides

- excellent adhesion with inks & adhesives
- Corona treatment improves bondingExcellent machinability & handling
- properties
- High mechanical properties



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, fill & seal structures

PROPERTIES		TEST METHOD	UNIT			ТҮР	CAL VAL	UES		
		Internal	Micron	9	10	12	23	30	31	36
THICKNESS		internal	(Gauge)	36	40	48	92	120	124	144
XIEL D		Internal	m² / kg	79.36	71.42	59.52	31.05	23.80	23.04	19.84
TIELD		internal	in² /lb	55912	50318	41934	21876	16768	16225	13978
SURFACE TENSION (min)			dura (are				52			
(Corona treated surface)		ASTM D-2578	ayne/cm	52						
COF (max) (One side to the other side)		ASTM D-1894	-	0.55	0.55	0.50	0.50	0.45	0.45	0.45
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.5	4.5	4.5	5.0
	MD			1900	1900	1900	1900	1900	1900	1750
	TD		kg/cm²	2000	2000	2000	2000	2000	2000	2000
	MD	ASTINI D-002	(Dci)	27000	27000	27000	27000	27000	27000	25000
	TD		(1.5))	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	۵STM D-882		90	100	105	115	120	120	120
ELONGATION AT DREAK (TIM)	TD	ASTIND 002	%	80	80	85	90	90	90	90
LINEAR SHRINKAGE (max)	MD	ASTM D-120/	96				3.0			
(30 Minute at 150°C) TD		ASTIME 1204	10				1.0			
M)/TE (28°C & 00° EH) (typical)		ASTM F-1249	gm/m²/day	50	50	45	30	25	25	20
			(gm/100 in²/day)	3.2	3.2	2.9	2.0	1.6	1.6	1.3
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	155	130	80	75	75	70
OTR (23°C & 0% RH) (typical)			(cc/100 in²/day)	10.1	10.1	8.5	5.2	4.8	4.8	4.5

STORAGE & HANDLING

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Selexible



F-AUT STANDARD PRIMER COATED FILM

F-AUT is a transparent BOPET film. The film is one side Standard Primer Coated and the other side Corona Treated.

KEY FEATURES:

- High clarity
- Standard Primer coating provides excellent adhesion with inks & adhesives
- Corona Treatment improves bonding
- Excellent machinability & handling

properties



- Converting
- Printing & Lamination
- Form, Fill, & Seal Structures
- Hot fill & Pasteurization

PROPERTIES		TEST METHOD	UNIT					TYPI	CAL VALU	JES		
THICKNESS			Micron	8	9	10	12	19	23	30	36	50
THERE SS		Internal	(Gauge)	32	36	40	48	76	92	120	144	200
YEII D		Internal	m² / kg	89.3	79.4	71.4	59.5	37.6	31.1	23.8	19.8	14.3
		Interna	in² /lb	62901	55912	50318	41934	26483	21876	16768	13978	10060
SURFACE TENSION (min)	(a.c.)		duna (cm	40								
(Corona Treated surface)	Tace)	ASTM D-2578	uyne/cm					52	2			
COF (max) (One side to the other side)	ide) ASTM D-1894		-	0.50	0.50	0.50	0.50	0.50	0.45	0.45	0.45	0.40
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	MD			1900	1900	1900	1900	1900	1900	1900	1750	1750
TENSII E STRENGTH	TD		kg/cm ²	2000	2000	2000	2000	2000	2000	2000	2000	2000
AT BREAK (min)	MD	ASTIVI D-882	(Dci)	27000	27000	27000	27000	27000	27000	27000	25000	25000
	TD		(13)	28500	28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD			90	90	100	105	110	115	120	120	125
(min)	TD	ASTIVI D-662	%	80	80	80	85	85	90	90	90	95
LINEAR SHRINKAGE (max)	MD	ASTM D 1204	9					3.	C			
(30 Minute at 150°C)	TD	A31101 D-1204	70					1.0	C			
M\/TR (38°C & 90% RH) (typi	ical)	ASTM F-1249	gm/m²/day	50	50	50	45	35	30	25	20	16
	icuij	ASTM F-1249 (g	(gm/100 in²/day)	3.2	3.2	3.2	2.9	2.3	2.0	1.6	1.3	1.0
OTR (23°C & 0% RH) (typical))	ASTM D-3985	cc/m²/day	155	155	155	130	90	80	75	70	45
	'	10100	(cc/100 in²/day)	10.1	10.1	10.1	8.5	5.8	5.2	4.8	4.5	2.9

STORAGE GAHANDLING untreated side of any PET film is a minimum of 42 dyne/cm.

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLE complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request

DISCLAIMER

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Selexible



F-AUU STANDARD PRIMER COATED FILM

F-AUU is a transparent BOPET film. The film is one side Standard Primer Coated and the other side Untreated.

KEY FEATURES:

- High clarity
- Primer coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling properties



APPLICATION:

- Converting
- Printing & Lamination
- Form, Fill, & Seal Structures
- Hot fill & Pasteurization

PROPERTIES		TEST METHOD	UNIT					ΤΥΙ	PICAL V	ALUES			
THEMES		Internal	Micron	8	9	10	11	12	15	19	23	36	50
THICKNESS		interna	(Gauge)	32	36	40	44	48	60	76	92	144	200
VIELD.		Internal	m² / kg	89.28	79.36	71.42	64.93	59.52	47.62	37.59	31.05	19.84	14.28
			in² /lb	62901	55912	50318	45745	41934	33550	26483	21876	13978	10060
SURFACE TENSION (min) # (Standard Primer Coated sur	face)	ASTM D-2578	dyne/cm					4	0				
COF (max) (One side to other side)		ASTM D-1894	-	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.40	0.40
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.0
	MD			1900	1900	1900	1900	1900	1900	1900	1900	1750	1750
TENSILE STRENGTH	TD		kg/cm²	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
AT BREAK (IIIIII)	MD	ASTIVI D-882	(Dei)	27000	27000	27000	27000	27000	27000	27000	27000	25000	25000
	TD		(1.5.1)	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD	ASTM D-882	~	90	90	100	100	105	105	110	115	120	125
(min)	TD		%	80	80	80	80	85	85	85	90	90	95
LINEAR SHRINKAGE (max)	MD	ASTM D-1204	%					3	.0				
(30 Minute at 150°C)	TD		10					1	.0				
			gm/m²/day	50	50	50	45	45	40	35	30	20	16
MVTR (38°C & 90% RH) (typi	cal)	ASTIVI F-1249	(gm/100 in²/day)	3.2	3.2	3.2	2.9	2.9	2.6	2.3	2.0	1.3	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	155	155	130	130	110	90	80	70	45
			(cc/100 in²/day)	10.1	10.1	10.1	8.5	8.5	7.1	5.8	5.2	4.5	2.9

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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F-CHC CHEMICAL COATED FILM

F-CHC is a transparent BOPET film. The film is one side Chemically Coated & one side Corona Treated.

KEY FEATURES:

- High clarity
- Chemical coating provides excellent
 adhesion with inks & adhesives
- Corona Treatment improves bonding
- Excellent machinability & handling properties
- Excellent metal adhesion on the chemically coated side
 Not suitable for hot fill,
- sterilization, or pasteurization



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures

PROPERTIES		TEST METHOD	UNIT						TYP	ICAL VA	LUES			
THICKNESS		Internal	Micron	8	9	10	11	12	15	19	21	23	36	50
THICKNESS		internal	(Gauge)	32	36	40	44	1 12 15 19 21 1 14 48 60 76 84 1 19 59.52 47.62 37.59 34.01 3 745 41934 33550 26483 23951 2 60 52		92	144	200		
YIELD		Internal	m² / kg	89.28	79.36	71.42	64.93	59.52	47.62	37.59	34.01	31.05	19.84	14.28
HEED		interna	$\begin{array}{ c c c c c } \hline UNIT & & & & & & & & & & & & & & & & & & &$	26483	23951	21876	13978	10060						
SURFACE TENSION (min)		ASTM D-2579 dyne/cm 60												
(Corona Treated surface)		52												
COF (max) (One side to the other side)		ASTM D-1894 - 0.55 0.55 0.55 0.50 0.50 0.50 0.50 0.									0.45			
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.0	5.0
MD			1	1900	1900	1900	1900	1900	1900	1900	1900	1900	3 36 50 2 144 200 .05 19.84 14.2 376 13978 1006 .05 0.45 0.4! .0 5.0 5.0 .00 1750 175 .00 2000 2000 .00 25000 2500 .00 28500 2850 .00 90 95 .00 20 125 .00 20 200 .00 25000 2500 .00 28500 2850 .00 90 95 .00 20 16 .00 1.3 1.0 .00 70 45 .2 4.5 2.9	1750
TENSII E STRENGTH	TD	ΔSTM D-882	kg/cm²	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
AT BREAK (min)	MD	1311110 002	(Psi)	27000	27000	27000	27000	27000	27000	27000	27000	27000	25000	25000
	TD			28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD	ASTM D-882	9/	90	90	100	100	105	105	110	110	115	120	125
(min)	TD		70	80	80	80	85	85	85	85	85	90	90	95
LINEAR SHRINKAGE (max)	MD	45TM D-1204	%						3.	0				
(30 Minute at 150°C) TD 1.0							0							
MUTD / 20% C & 00% DLU (twoice) ASTM F-1249 gm/m ² /day 50 50 50 45 45 40 35					35	30	20	16						
(gm/100 in²/day) 3.2 3.2 3.2 2.9 2.9 2.6 2.3 2.3				2.0	1.3	1.0								
	ASTM D-3985	cc/m²/day	155	155	155	130	130	110	90	90	80	70	45	
01R (25°C & 0% RH) (typical)	/	//31010 3505	(cc/100 in²/day)	10.1	10.1	10.1	8.5	8.5	7.1	5.8	5.8	5.2	4.5	2.9

STORAGE GatiANDLING untreated side of any PET film is a minimum of 42 dyne/cm.

SELEXIBLETM needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLETM is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLETM complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request

DISCLAIMER

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Selexible



F-CHE CHEMICAL COATED FILM

F-CHE is a transparent BOPET film. The film is one side Chemically Coated & one side Untreated.

KEY FEATURES:

- High clarity
- Chemical coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling properties
- Excellent metal adhesion on the chemically coated side
- Not suitable for hot fill, sterilization, or pasteurization



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures

PROPERTIES		TEST METHOD	UNIT						TYPICAL	VALUES			
THICKNESS		Internel	Micron	8	9	10	11	12	15	19	23	36	50
THERMESS		Internal	(Gauge)	32	36	40	44	48	60	76	92	144	200
YIFI D		Internal	m² / kg	89.28	79.36	71.42	64.93	59.52	47.62	37.59	31.05	19.84	14.28
HELD		Internal	in² /lb	62901	55912	50318	45745	41934	33550	26483	21876	13978	10060
SURFACE TENSION (min)# (Chemical coated surface)	URFACE TENSION (min)# Chemical coated surface) ASTM D-2578 dyne/cm 60												
COF (max) (One side to the other side)		ASTM D-1894	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.45	0.45
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.0	5.5
MD				1900	1900	1900	1900	1900	1900	1900	1900	1750	1750
TENSII E STRENGTH	TD		kg/cm²	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
AT BREAK (min)	MD	ASTIVI D-882	(Dci)	27000	27000	27000	27000	27000	27000	27000	27000	25000	25000
	TD		(1.51)	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD			90	100	100	100	105	105	110	115	120	125
(min)	TD	ASTIVI D-882	%	80	80	80	80	85	85	85	90	90	95
LINEAR SHRINKAGE (max)	MD	ACTM D 120/	9_					3	.0				
(30 Minute at 150℃)	TD	ASTMID-1204	/6					1	.0				
MUTE (38° C & 90% PH) (typical) ASTM F-1249 gm/m ² /day 50 50 50 45 45 40 35 30						30	20	16					
	(gm/100 in//day) 3.2 3.2 3.2 2.9 2.9 2.6 2.3 2.0 1.3					1.0							
OTR (23°C & 0% RH) (typical	ASTM D-3985	cc/m²/day	155	155	155	130	130	110	90	80	70	45	
	'		(cc/100 in²/day)	10.1	10.1	10.1	8.5	8.5	7.1	5.8	5.2	4.5	2.9

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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SELEXIBLE F-EXC TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-EXC DIRECT EXTRUSION FILM

F-EXC is a transparent BOPET film. One side of the film is EXC Chemical Coated & the other side is Untreated or Corona Treated.

KEY FEATURES:

- High clarity
- No solvent emissions or residuals during extrusion coating
- No additional priming needed prior to extrusion



 Film is designed for direct extruded Polyethylene adhesion without the need for primer

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES				
		Internal	Micron	12	23	36			
THICKINESS		internai	(Gauge)	48	92	144			
XIELD		Internal	m² / kg	59.52	31.05	19.84			
		internal	in² /lb	41934	21876	13978			
SURFACE TENSION (min) #					52				
(Corona Treated) (EXC Chemical)		ASTM D-2578	dyne/cm	38					
COF (max)				0.50	0.50	0.45			
(Corona Treated to EXC Chemical) (Untreated to Corona Treated)		ASTM D-1894	-	0.45	0.45	0.40			
HAZE (max)		ASTM D-1003	%	4.0	4.5	5.5			
	MD			1900	1900	1750			
	TD		kg/cm²	2000	2000	2000			
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-002	(Dci)	27000	27000	25000			
	TD		(1))	28500	28500	28500			
ELONGATION AT BREAK (min)	MD			105	115	120			
	TD	ASTINE 002	%	85	90	90			
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	0/		3.0				
(30 Minute at 150℃)	TD	ASTM D-1204	10		1.0				
M)/TD (200 C & 0.0% DH) (typical)		ASTM F-1249	gm/m²/day	45	30	20			
			(gm/100 in²/day)	2.9	2.0	1.3			
OTB (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	130	80	70			
			(cc/100 in²/day)	8.5	5.2	4.5			

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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Selexible



F-FCU STANDARD CHEMICAL COATED BOPET FILM

F-FCU is a transparent BOPET film. It is one side Standard Chemical coated & other side Untreated.

KEY FEATURES:

Very good transparency & clarity

- One side Standard Chemical Coating provide excellent adhesion with various inks & adhesives
- Excellent machinability & handling
- properties
- Excellent metal adhesion



APPLICATION:

- Conversion, Metallization
- Printing & lamination
- FFS machine
- Hot fill application (Like-Ketchup, Mayonnaise etc.)

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES 10 12 15 23 36 40 48 60 92 144 71.42 59.52 47.62 31.05 19.84 50318 41934 33550 21876 13978 56 56 56 56 5.0 4.0 4.0 4.0 4.0 5.0					
THICKNESS		Internal	Micron	8	10	12	15	23	36	
THERMESS		interna	(Gauge)	32	40	48	60	92	144	
YIELD		Internal	m² / kg	89.28	71.42	59.52	47.62	31.05	19.84	
		internal	in² /lb	62901	50318	41934	33550	21876	13978	
SURFACE TENSION (min) # (Standard Chemical coated Side)		ASTM D-2578	dyne/cm			56				
COF (max) (One side to the other side)		ASTM D-1894	-	0.50 0.50 0.50 0.50		0.50	0.45			
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.0	4.5	5.0	
	MD			1900	1900	1900	1900	1900	1750	
TENSILE STRENGTH AT REFAK (min)	TD		kg/cm²	2000	2000	2000	2000	2000	2000	
	MD	A31W D-002	(Dci)	27000	27000	27000	27000	27000	25000	
	TD		(12)	28500	28500	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882		90	100	105	105	120	130	
	TD	ASTINI D 002	%	80	80	85	85	90	90	
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	0/				3.0			
(30 Minute at 150℃)	TD	A31WD-1204	10				1.0			
W//T.B. (28°C & 00% BH) (typical)		ASTM F-1249	gm/m²/day	50	50	45	40	30	20	
W.V.1.R. (36 C & 30% KH) (typical)			(gm/100 in²/day)	3.2	3.2	2.9	2.6	2.0	1.3	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	155	130	110	80	70	
			(cc/100 in²/day)	10.1	10.1	8.5	7.1	5.2	4.5	

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

SELEXIBLE need to be stored in a warehouse below 35°C (95° F) and should not be exposed to direct sunlight, bright light sources or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from date of shipment.

FOOD CONTACT

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Selexible



SELEXIBLE F-HMB **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

FILM STRUCTURE

F-HMB MODIFIED CHEMICAL COATED FILM

Base polyester is a specialized design for high adhesion to typical inks and adhesives. The film is one side Modified Chemical Coated film with the other side Corona Treated or Untreated.

KEY FEATURES:

- **High Lamination Bond**
- Good machinability & handling properties



APPLICATION:

- Flexible packaging
- Lamination
- Hot fill applications up to 80°C
- Retortable

PROPERTIES		TEST METHOD	UNIT		TY	PICAL VALUES					
		Internal	Micron	11	12	23	36				
THICKNESS		Internal	(Gauge)	44	48	92	144				
YIELD		Internal	m² / kg	64.93	59.52	31.05	19.84				
		internal	in² /lb	45745	41934	21876	13978				
SURFACE TENSION (min) #				42							
(Modified Chemical Coated s (Corona Treated surface)	surface)	ASTM D-2578	dyne/cm	52							
COF (max)				0.5	0.5	0.5	0.5				
(Chemical side to Untreated side) (Chemical side to Corona side)		ASTM D-1894		0.55	0.55	0.55	0.55				
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	5.0				
	MD			1900	1900	1900	1750				
	TD		kg/cm²	2000	2000	2000	2000				
AT BREAK (min)	MD	A31WI D-662	(Dci)	27000	27000	27000	25000				
	TD		(FSI)	28500	28500	28500	28500				
ELONGATION AT BREAK	MD			100	105	115	120				
(min)	TD	ASTIM D-002	%	85	85	90	90				
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	9/		3.	0					
(30 Minute at 150℃)	TD	ASTM D-1204	76		1.	0					
	icel)	ΔSTM E-1249	gm/m²/day	45	45	30	20				
WWTR (50°C & 90% RH) (LYP	iicai)		(gm/100 in²/day)	2.9	2.9	2.0	1.3				
OTR (23°C & 0% RH) (typical	1)	ASTM D-3985	cc/m²/day	130	130	80	70				
01R (25°C & 0% RH) (typical)			(cc/100 in²/day)	8.5	8.5	5.2	4.5				

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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DISCLAIMER

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F-LAU STANDARD PRIMER COATED LIDDING FILM

F-LAU is a transparent BOPET film. The film is one side Standard Primer Coated with the other side either Corona Treated or Untreated.

KEY FEATURES:

- High clarity
- Excellent machinability & handling properties
- Primer Coated surface provides excellent adhesion with inks & various adhesives
- Corona treatment improves bonding



APPLICATION:

- Conversion
- Printing & Lamination
- Specially designed for lidding

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALU	JES		
		Internal	Micron	10	12	23		
THICKNESS		internal	(Gauge)	40	48	92		
VIEL D		Internal	m² / kg	71.42	59.52	31.05		
HELD		internal	in² /lb	50318	41934	21876		
SURFACE TENSION (min) #	C)				40			
(Standard Primer Coated sur (Corona Treated surface)	rface)	ASTM D-2578	dyne/cm		52			
COF (max) (One side to the other)		ASTM D-1894	-	0.50	0.50	0.50		
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.5		
ME				1900	1900	1900		
TENSII E STDENGTH	TD		kg/cm²	2000	2000	2000		
AT BREAK (min)	MD	ASTIVID-002	(Dci)	27000	27000	27000		
	TD		(1 5))	28500	28500	28500		
ELONGATION AT BREAK	MD	ASTM D-882		100	105	115		
(min)	TD	ASTIND 002	%	80	85	90		
LINEAR SHRINKAGE (max)	MD	ASTM D-120/	%		3.0			
(30 Minute at 150℃)	TD	ASTIM D 1204	10		1.0			
MI/TE /200 C & 0.0% ELL) /ture	ical)	ASTM F-1249	gm/m²/day	50	45	30		
1010 IN 130 C & 30% KH) (Lyp	icalj		(gm/100 in²/day)	3.2	2.9	2.0		
	1	ASTM D-3985	cc/m²/day	155	130	80		
	1		(cc/100 in²/day)	10.1 8.5 5.2				

The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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F-UPF UPF CHEMICAL COATED FILM

F-UPF is a transparent BOPET film. The film is one side UPF Chemical Coated surface with the other side being Untreated or Corona Treated

KEY FEATURES:

High clarity

- Excellent machinability & handling properties
- Excellent metal bond strength
- Corona treatment improves bonding
- Modified surface provides excellent adhesion with various types of inks and adhesives

FILM STRUCTURE Untreated / Corona Treatment Skin Layer Core Layer Skin Layer UPF Chemical Coating

APPLICATION:

Printing, Lamination, & Metallization
 Hot fill, Pasteurization, Sterilization, & retort application

PROPERTIES		TEST METHOD	UNIT		8 9 10 12 15 19 23 36 50 32 36 40 48 60 76 92 144 200 89.28 79.36 71.42 59.52 47.62 37.59 31.05 19.84 14.28 52901 55912 50318 41934 33550 26483 21876 13978 10060 FERENCE 52 0.50 0.50 0.45 0.45 0.45 0.45 0.40 0.40 0.50 0.50 0.50 0.45 0.45 0.45 0.45 0.40 0.40								
THICKNESS		Internal	Micron	8	9	10	12	15	19	23	36	50	
THEREESS		internai	(Gauge)	32	36	40	48	60	76	92	144	200	
YIELD		Internal	m² / kg	89.28	79.36	71.42	59.52	47.62	37.59	31.05	19.84	14.28	
		interna	in² /lb	62901	55912	50318	41934	33550	26483	21876	13978	10060	
SURFACE TENSION (min) # (UPF Chemical Coated surfa	ASTM D-2578	dyne/cm					48						
(Corona Treated surface)			,	52									
COF (max) (UPF Chemical Coated to Untreated)		ASTM D-1894	-	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.40	0.40	
(UPF Chemical Coated to Corona Treated)		7.51.1.5 1051		0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.40	0.40	
HAZE (max)	ASTM D-1003	%	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.5		
	MD			1900	1900	1900	1900	1900	1900	1900	1750	1750	
	TD		kg/cm²	2000	2000	2000	2000	2000	2000	2000	2000	2000	
AT BREAK (min)	MD	ASTIVI D-882	(Dci)	27000	27000	27000	27000	27000	27000	27000	25000	25000	
	TD		(FSI)	28500	28500	28500	28500	28500	28500	28500	28500	28500	
ELONGATION AT BREAK	MD			90	90	100	105	105	110	115	120	125	
(min)	TD	ASTINI D-662	%	80	80	80	85	85	85	90	90	95	
LINEAR SHRINKAGE (max)	MD	ASTM D 1204	9					3.0					
(30 Minute at 150℃)	TD	A31101 D-1204	70					1.0					
		ASTM F-1249	gm/m²/day	50	50	50	45	40	35	30	20	16	
	///////////////////////////////////////	(gm/100 in²/day)	3.2	3.2	3.2	2.9	2.6	2.3	2.0	1.3	1.0		
OTR (23°C & 0% PH) (typical)		ASTM D-3985	cc/m²/day	155	155	155	130	110	90	80	70	45	
	,		(cc/100 in²/day)	10.1	10.1	10.1	8.5	7.1	5.8	5.2	4.5	2.9	

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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FOOD CONTACT

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Selexible

Manufacturing Facilities at No. 16 Fengxiang Rd, Wujin District, Changzhou City, Jiangsu, China Sale@selexible.cn www.selexibleplastic.com

Keynote: Selection of specific ink & adhesive designed for retort application



FILM STRUCTURE

F-WAP WHITE OPAQUE BOPET FILM

F-WAP is a white opaque BOPET film. The film is one side corona treated or both side untreated.

KEY FEATURES:

Excellent opacity & high brightness
 Excellent machinability & handling properties

- Good mechanical & thermal properties
- Corona treated side gives good adhesion
- with inks & adhesives

White Opaque Skin Layer White Opaque Core Layer White Opaque Skin Layer Untreated / Corona Treatment

APPLICATION:

- Surface printing jobs & metallization
- Label application & blister packaging
- Other conversion where white backing required like lids

PROPERTIES		TEST METHOD	UNIT		TYPICAL	VALUES		
		Internal	Micron	12	23	36	50	
THICKINESS		interna	(Gauge)	48	92	144	200	
VIELD		Internal	m² / kg	58.27	30.40	19.42	13.98	
		Interna	in² /lb	41022 21401 13671 9841				
SURFACE TENSION (min) # (Corona Treated Side)		ASTM D-2578	dyne/cm	52				
COF (max)		ACTM D 100/		0.50	0.50	0.50	0.50	
(Untreated to Untreated side)		ASTIVI D- 1894	-	0.45	0.45	0.45	0.45	
OPACITY (min)		Hunter Lab	%	55	75	82	85	
	MD			1700	1600	1500	1500	
	TD		kg/cm ²	2000	2000	2000	2000	
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-882	(Dei)	24200	21300	21300	21300	
	TD		(F3)	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882		110	115	120	125	
	TD	ASTIM D 002	%	80	80	85	85	
LINEAR SHRINKAGE (max)	MD	4STM D-1204	%		2.5	5		
(30 Minute at 150℃)	TD	ASTINID 1204	70		0.8	3		
W/VTP (38°C & 90% PH) (typical)		ASTM F-1249	gm/m²/day	45	25	15	12	
			(gm/100 in²/day)	2.9	1.6	1.0	0.8	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	160	75	45	35	
			(cc/100 in²/day)	10.3	4.8	2.9	2.2	

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

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Selexible



SELEXIBLE F-WAT TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-WAT STANDARD PRIMER COATED WHITE OPAQUE BOPET FILM

F-WAT is a white opaque polyester film. The film is one side Standard Primer Coated and other side corona treated.

KEY FEATURES:

Excellent opacity & high brightness
Excellent machinability & handling

- propertiesGood mechanical & thermal properties
- One side acrylic coated, excellent adhesion with inks & adhesive.
- Out side corona treated for improved bond with outer substrate.



APPLICATION:

- Surface Printing jobs & Metallization
- Label application & Blister Packaging
- Other conversion where white backing required like lids

PROPERTIES		TEST METHOD	UNIT		ТҮ	PICAL VALU	IES	
THICKNESS		Internal	Micron	12	23	36	50	55
THICKNESS		interna	(Gauge)	48	92	144	200	220
		Internal	m² / kg	58.27	30.40	19.42	13.98	12.71
		internar	in² /lb	41022	21401	13671	9841	8947
SURFACE TENSION (min) (Standard Primer Coated Side) (Corona Treated Side)		ASTM D-2578	dyne/cm	40				
(Corona freated side)						52		
COF (max) (One side to the other side)		ASTM D-1894	-	0.45	0.45	0.45	0.45	0.45
OPACITY (min)		Hunter Lab	%	55	75	82	85	85
	MD			1700	1600	1500	1500	1500
	TD		kg/cm²	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIM D-882	(Dci)	24200	22700	21300	21300	21300
	TD		(F3)	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882		110	115	120	125	130
	TD	ASTIM D 002	%	80	80	85	85	90
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	9			2.5		
(30 Minute at 150°C)	TD	ASTIM D-1204	70			0.8		
		ASTM F-1249	gm/m²/day	45	25	15	12	10
			(gm/100 in²/day)	2.9	1.6	1.0	0.8	0.6
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	160	75	45	35	30
			(cc/100 in²/day)	10.3	4.8	2.9	2.2	1.9

STORAGE & HANDLING

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FOOD CONTACT

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Selexible



SELEXIBLE F-WAU TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-WAU STANDARD PRIMER COATED WHITE OPAQUE BOPET FILM

F-WAU is a white opaque polyester film. The film is one side Standard Primer Coated and other side untreated.

KEY FEATURES:

Excellent opacity & high brightnessExcellent machinability & handling

- propertiesGood mechanical & thermal properties.
- One side acrylic coated and excellent
- adhesion with inks & adhesive.

FILM STRUCTURE Standard Primer Coating White Opaque Skin Layer White Opaque Core Layer White Opaque Skin Layer

APPLICATION:

- Surface Printing jobs & Metallization
- Label application & Blister Packaging
- Other conversion where white backing required like lids

PROPERTIES		TEST METHOD	UNIT		ТҮ	PICAL VALU	ES	
		Internal	Micron	12	23	36	50	55
THICKNESS		interna	(Gauge)	48	92	144	200	220
		Internal	m² / kg	58.27	30.40	19.42	13.98	12.71
TILLD		Internal	in² /lb	41022	21401	134671	9841	8947
SURFACE TENSION (min) (Standard Primer Coated Side)		ASTM D-2578	dyne/cm	40				
COF (max) (One side to the other side)		ASTM D-1894	-	0.45	0.45	0.40	0.40	0.40
OPACITY (min)		Hunter Lab	%	55	75	82	85	85
	MD			1700	1600	1500	1500	1500
	TD		kg/cm ²	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIM D-882	(Dei)	24200	22700	21300	21300	21300
	TD		(F5)	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882		110	115	120	125	130
ELONGATION AT BREAK (IIIII)	TD	A31W D-002	%	80	80	85	85	90
LINEAR SHRINKAGE (max)	MD	ASTM D_1204	9/			2.5		
(30 Minute at 150°C)	TD	ASTM D-1204	/0			0.8		
W//TP (38°C & 90% PH) (typical)		ASTM F-1249	gm/m²/day	45	25	15	12	10
W.W.I.N. (36 C & 30% Kir) (typical)			(gm/100 in²/day)	2.9	1.6	1.0	0.8	0.6
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	160	75	45	35	30
			(cc/100 in²/day)	10.3	4.8	2.9	2.2	1.9

STORAGE & HANDLING

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Selexible



F-WCC CHEMICAL COATED WHITE OPAQUE BOPET FILM

F-WCC is a white opaque polyester film. The film is one side chemical coated and other side corona treated.

KEY FEATURES:

Excellent opacity & high brightness
 Excellent machinability & handling properties

- Good mechanical & thermal properties
 One side chemical coated and excellent
- adhesion with inks & adhesive. • Out side corona treated for improved bond
- with outer substrate.



APPLICATION:

- Surface Printing jobs & Metallization
- Label application & Blister Packaging
- Other conversion where white backing required like lids

PROPERTIES		TEST METHOD	UNIT	TYPICAL	VALUES
		Internal	Micron	12	23
THICKNESS		interna	(Gauge)	48	92
		Internal	m² / kg	58.27	30.40
		Internal	in² /lb	41022	21401
SURFACE TENSION (min) (Chemical coated side)		ASTM D-2578	dyne/cm		50
(Corona Treated Side)				5	52
COF (max) (One side to the other side)		ASTM D-1894	-	0.50	0.50
OPACITY (min)		Hunter Lab	%	55	75
	MD			1700	1600
	TD		kg/cm ²	2000	2000
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIM D-882	(Dei)	24200	22700
	TD		(F5)	28500	28500
ELONGATION AT BREAK (min)	MD			110	115
ELONGATION AT DREAK (IIIII)	TD	ASTIM D-002	%	80	80
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	٩/_	2	.5
(30 Minute at 150°C) TD		ASTM D-1204	70	C	.8
		ASTM F-1249	gm/m²/day	45	25
νν.ν.ι.ι. (36 C & 30 % κηλ (typical)			(gm/100 in²/day)	2.9	1.6
		ASTM D-3985	cc/m²/day	160	75
01R (23°C & 0% RH) (typical)			(cc/100 in²/day)	10.3	4.8

STORAGE & HANDLING

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Selexible



F-WCH CHEMICAL COATED WHITE OPAQUE BOPET FILM

F-WCH is a white opaque polyester film the film is one side chemical coated and other side untreated.

KEY FEATURES:

Excellent opacity & high brightness
 Excellent machinability & handling properties

- Good mechanical & thermal properties
- Chemical coated side provide excellent
- bonding with various inks & adhesives

FILM STRUCTURE Chemical Coating White Opaque Skin Layer White Opaque Core Layer

White Opaque Skin Layer

APPLICATION:

Surface Printing jobs & Metallization

Label application & Blister Packaging

Other conversion where white backing required like lids

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES 23 36 50 92 144 200 30.40 19.42 13.98 21401 13671 9841 60 0.45 0.45 75 82 85			
		Internal	Micron	23	36	50		
THERE'S		internar	(Gauge)	92	144	200		
		Internal	m² / kg	30.40	19.42	13.98		
TIELD		Internal	in² /lb	21401	21401 13671 9841			
SURFACE TENSION (min) # (Chemical coated side)		ASTM D-2578	dyne/cm	60				
COF (max) (One side to the other side)		ASTM D-1894	-	0.45	0.45			
OPACITY (min)		Hunter Lab	%	75	82	85		
	MD			1600	1500	1500		
	TD		kg/cm ²	2000	2000	2000		
TENSILE STRENGTH AT BREAK (THIII)	MD	ASTIM D-882	(Dci)	22700	21300	21300		
	TD		(1.21)	28500	28500	28500		
ELONGATION AT BREAK (min)	MD	ASTM D-882		115	120	125		
	TD	ASTIM D 002	%	80	85	85		
LINEAR SHRINKAGE (max)	MD	ASTM D_1204	%		2.5			
(30 Minute at 150℃)	TD	ASTINI D 1204	10		0.8			
W//TR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m²/day	25	15	12		
			(gm/100 in²/day)	1.6	1.0	0.8		
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	75	45	35		
			(cc/100 in²/day)	4.8	2.9	2.2		

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

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Selexible



F-WTS TWIST GRADE WHITE OPAQUE BOPET FILM

F-WTS is a white opaque polyester film. It is one side antistatic coating other side untreated or corona treated.

KEY FEATURES:

 Excellent opacity & high brightness Excellent machinability & handling

- properties
- High mechanical properties Excellent twist retention
- Zero memory, Eco-friendly

FILM STRUCTURE Anti Static Coating White Opaque Skin Laver White Opaque Core Layer White Opaque Skin Layer Untreated /Corona Treatment

APPLICATION:

Twist wrapping both in hot & cold condition

Candy wrap

PROPERTIES	TEST METHOD	UNIT	TYPICAL	VALUES			
THICKNESS	Internal	Micron	18	23			
THERESS	Internal	(Gauge)	72	92			
VIELD	Internal	m² / kg	39.68	31.05			
HELD	internal	in² /lb	27956	21876			
SURFACE TENSION (min) # (Anti static Coating Side) (Corona Treated Side)	ASTM D-2578	dyne/cm	50 52				
COF (max) (One side to the other side)	ASTM D-1894	-	0.50 0.50				
OPACITY (min)	Hunter Lab	%	55	60			
M)		2000	2000			
) ASTM D 992	kg/cm ²	2300	2300			
	A31101D-882	(Dei)	28500	28500			
Т)	(1 51)	32700 32700				
ELONGATION AT BREAK (min)	ASTM D-882	Ň	115	120			
Т)	%	80	85			

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

SELEXIBLE need to be stored in a warehouse below 35°C (95° F) and should not be exposed to direct sunlight, bright light sources or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from date of shipment.

FOOD CONTACT

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SELEXIBLE F-WTU TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-WTU MODIFIED PRIMER COATED WHITE OPAQUE BOPET FILM

F-WTU is a white opaque polyester film. The film is one side Modified Primer coated other side Untreated or Corona Treated.

KEY FEATURES:

Excellent opacity & high brightness
 Excellent machinability & handling properties

- Good mechanical & thermal properties.
- One side Modified Primer coated surface provides excellent adhesion with inks &
- adhesive. • Out side corona treated for improved bond
- Out side corona treated for improved bond with outer substrate.



APPLICATION:

- Surface Printing jobs & Metallization
- Label application & Blister Packaging
- Other conversion where white backing required like lids

PROPERTIES		TEST METHOD	UNIT		TYPICAL	VALUES			
		Internal	Micron	12	23	36	50		
THERESS		interna	(Gauge)	48	92	144	200		
		Internal	m² / kg	58.27	30.40	19.42	13.98		
TILLD		interna	in² /lb	41022	21401	13671	9841		
SURFACE TENSION (min) #				52					
(Modified Primer Coated Side) (Corona Treated Side)		ASTM D-2578	ayne/cm	52					
COF (max) (One side to the other side)		ASTM D-1894	-	0.50 0.45 0.45 0.45					
OPACITY (min)		Hunter Lab	%	55	75	82	85		
	MD			1700	1600	1500	1500		
	TD		kg/cm ²	2000	2000	2000	2000		
TENSILE STRENGTH AT BREAK (TIIII)	MD	ASTIVI D-882	(Dci)	24200	22700	21300	21300		
	TD		(12)	28500	28500	28500	28500		
ELONGATION AT BREAK (min)	MD	ΔSTM D-882	01	110	115	120	125		
	TD		%	80	80	85	85		
LINEAR SHRINKAGE (max)	MD	ASTM D-1204	9/		2.5	5			
(30 Minute at 150℃)	TD	71511111 1204	10		0.8	3			
W//TR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m²/day	45	25	15	12		
			(gm/100 in²/day)	2.9	1.6	1.0	0.8		
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	160	75	45	35		
			(cc/100 in²/day)	10.3	4.8	2.9	2.2		

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

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FOOD CONTACT

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SELEXIBLE F-WUF **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

FILM STRUCTURE

F-WUF WHITE OPAQUE POLYESTER FILM

F-WUF is a white opaque BOPET film. It is one side Special Chemical Coated surface with the other side being Untreated or Corona Treated.

KEY FEATURES:

- Excellent opacity and high brightness Good mechanical & thermal
- properties
- Excellent machinability & handling properties
- Special Chemical Coated surface provides excellent adhesion with inks & adhesives
- Corona Treated surface improves bond with outer substrate



Special Chemical White Opaque Skin Layer

White Ópaque

Skin Layer Corona Treatment/ Untreated

APPLICATION:

- Surface printing jobs and metallization
- Label application and Blister Packaging
- Other conversions where white backing is required like lids

PROPERTIES		TEST METHOD	UNIT			TYPICAL VA	LUES				
		Internal	Micron	12	23	36	50	55			
THICKNESS		internal	(Gauge)	48	92	144	200	220			
		Internal	m² / kg	58.27	30.40	19.42	13.98	12.71			
YIELD		internal	in² /lb	41022	21401	13671	9841	8947			
SURFACE TENSION (min) #	rface)		duno/cm			48					
(Corona Treated surface)	nacc)	ASTINID-2578	dynezeni		52						
COF (max) (One side to the other side)		ASTM D-1894	-		0.45						
OPACITY (min)		Hunter Lab	%	55	75	82	85	85			
	MD			1700	1600	1500	1500	1500			
	TD		kg/cm²	2000	2000	2000	2000	2000			
AT BREAK (min)	MD	ASTIN D-002	(Dci)	24200	22700	21300	21300	21300			
	TD		(PSI)	28500	28500	28500	28500	28500			
ELONGATION AT BREAK	MD			110	115	120	125	130			
(min)	TD	ASTIN D-002	%	80	80	85	85	90			
LINEAR SHRINKAGE (max)	MD	ACTM D 120/	0/			2.5					
(30 Minute at 150°C)	TD	A31101 D-1204	70			0.8					
		ΔSTM E_12/ 9	gm/m²/day	45	25	15	12	10			
MVTR (38°C & 90% RH) (typical)			(gm/100 in²/day)	2.9	1.6	1.0	0.8	0.6			
		ASTM D-3985	cc/m²/day	160	75	45	35	30			
01R (23°C & 0% RH) (typical)			(cc/100 in²/day)	10.3	4.8	2.9	2.2	1.9			

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

SELEXIBLE needs to be stored in a closed warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

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Selexible



F-TFP THERMOFORMABLE BOPET FILM

F-TFP is a Co-extruded transparent BOPET film. The Film is one side corona treated or both side untreated. Film is specially designed for shallow draw thermoforming applications.Film is recommended to be laminated with a sealant layer.

KEY FEATURES:

 Very good clarity & transparency
 One side corona treatment provides good adhesion with inks



APPLICATION:

Trays, packs and lids

• Fresh and frozen food applications

PROPERTIES		TEST METHOD	UNIT		ТҮ	PICAL VALU	JES	
THICKNESS		Internal	Micron	12	15	19	23	36
THICKNESS		interna	(Gauge)	48	60	76	92	144
XIELD		Internal	m² / kg	59.52	47.62	37.59	31.05	19.84
TILLU		internal	in² /lb	41934	33550	26483	21876	13978
SURFACE TENSION (min) # (Corona treated side)		ASTM D-2578	dyne/cm			52		
COF (max) (One side to the other side)		ASTM D-1894	-	0.50 0.50 0.50 0.45 0.45				
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.5	5.0
	MD			1900	1900	1900	1900	1750
	TD		kg/cm ²	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK (TIIII)	MD	ASTIM D-882		27000	27000	27000	27000	25000
	TD		(F3)	28500	28500	28500	28500	28500
	MD			≥200	≥200	≥200	≥200	≥200
	TD	A31WI D-002	%	95	95	100	110	120
LINEAR SHRINKAGE (max)	MD	ASTM D_1204	9/			7.0		
(30 Minute at 150°C)	TD	ASTWD-1204	70			3.0		
W/VTP (38°C & 90% PH) (typical)	gm/m²/day	45	40	35	30	20		
			(gm/100 in²/day)	2.9	2.6	2.3	2.0	1.3
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	130	110	90	80	70
			(cc/100 in²/day)	8.5	7.1	5.8	5.2	4.5

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING

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FOOD CONTACT

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SELEXIBLE F-PAP TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-PAP STANDARD PLAIN FILM

F-PAP is a transparent BOPET film. The film is one side Corona Treated with one side Untreated or both sides Untreated.

KEY FEATURES:

- Very Good gloss & clarity
 Corona treatment improves bonding
- Excellent surface & good handling properties
- Excellent dimensional stability & machinability
- Specially designed for Form, Fill, & Seal machines
- Eco friendly characteristics



APPLICATION:

- Flexible packaging
- Solvent & Water base coating

		TEST																
PROPERTIES		METHOD	UNIT							TYPI	CAL VA	LUES						
		late we al	Micron	8	9	10	11	12	15	18	19	23	30	36	50	55	60	75
THICKNESS		interna	(Gauge)	32	36	40	44	48	60	72	76	92	120	144	200	220	240	300
VIELD		Internal	m² / kg	89.28	79.36	71.42	64.93	59.52	47.62	39.68	37.59	31.05	23.80	19.84	14.28	12.98	11.9	9.52
HELD			in² /lb	62901	55912	50318	45745	41934	33550	27942	26483	21876	16768	13978	10060	9145	8384	6707
SURFACE TENSION (min) # (Corona Treated surface)		ASTM D-2578	dyne/cm								52							
COF (max)				0.55	0.55	0.55	0.50	0.50	0.50	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.45	0.45
(Untreated to Corona Treat (Untreated to Untreated)	.ea)	ASTM D-1894	-	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.45	0.45	0.40	0.40	0.40	0.40	0.40	0.40
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.5	5.5	6.0	7.0
	MD			1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1750	1750	1750	1700	1700
TENSILE STRENGTH	TD	ASTM D-882	kg/cm²	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
AT BREAK (min)	MD	ASTINE 002	(Psi)	27000	27000	27000	27000	27000	27000	27000	27000	27000	27000	25000	25000	25000	24200	24200
	TD		(15)	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD	ΔSTM D-882	~	90	90	100	100	105	105	110	110	115	120	120	125	125	130	130
(min)	TD	1.51111 B 002	%	80	80	80	85	85	85	85	85	90	90	90	95	100	100	100
LINEAR SHRINKAGE (max)	MD	ASTM D-1204	%								3.0							
(50 Minute at 150 c)	TD		am (m²/day)		50	50					1.0	2.0						
WVTR (38°C & 90% RH) (ty	pical)	ASTM F-1249	giii/iii-/uay	50	50	50	45	45	40	35	35	30	25	20	16	14	10	8
			(gin/100111/uay)	5.2	5.Z	5.Z	2.9	2.9	2.0	2.5	2.5	2.0	1.0	1.5	1.0	0.9	0.0	0.5
OTR (23°C & 0% RH) (typical) AS	ASTM D-3985	cc/m²/day	155	155	155	130	130	110	90	90	80	75	70	45	40	36	32	
			(cc/100 in²/day)	10.1	10.1	10.1	8.5	8.5	7.1	5.8	5.8	5.2	4.8	4.5	2.9	2.6	2.3	2.1

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

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SELEXIBLE F-DSC-AA TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

Standard Primer

Coating

F-DSC-AA BOTH SIDES COATED-STANDARD PRIMER

F-DSC-AA is a transparent BOPET film. The film is Standard Primer Coated on both sides.

KEY FEATURES:

- High clarity
- Standard Primer coating provides excellent
- adhesion with inks & adhesives
- Excellent Machinability & handling properties

FILM STRUCTURE Standard Primer Coating Skin Layer Skin Layer

APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures
- Hot fill & Pasteurization

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES							
		Internal	Micron	9	10	12	15	23	36	50	
THICKNESS		interna	(Gauge)	36	40	48	60	L VALUES 15 23 36 9 50 92 144 2 7.62 31.05 19.84 14 3550 21876 13978 10 40			
YIELD		Internal	m² / kg	79.36	71.42	59.52	47.62	31.05	19.84	14.28	
need		internal	in² /lb	55912	50318	41934	33550	21876	13978	10060	
SURFACE TENSION (min) (Standard Primer Coated surface)		ASTM D-2578	dyne/cm				40				
COF (max) (One side to the other)		ASTM D-1894	-	0.45 0.45 0.45 0.45 0.40 0.40 0.40					0.40		
HAZE (max)		ASTM D-1003	%	3.5	3.5	3.5	3.5	4.0	4.0	4.5	
	MD			1900	1900	1900	1900	1900	1750	1750	
TENSILE STRENGTH AT BREAK (min)	TD	ΔSTM D-882	kg/cm²	2000	2000	2000	2000	2000	2000	2000	
	MD	ASTIN D-002	(Psi)	27000	27000	27000	27000	27000	25000	25000	
	TD		(1.5)	28500	28500	28500	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ΔSTM D-882		90	100	105	105	115	120	125	
	TD	ASTINE 002	%	80	80	85	85	90	90	95	
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	0/				3.0				
(30 Minute at 150°C)	TD	ASTWD-1204	/0				1.0				
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m²/day	50	50	45	40	30	20	16	
			(gm/100 in²/day)	3.2	3.2	2.9	2.9 2.6 2.0 1.3				
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	155	130	110	80	70	45	
Singes e downin (cypical)			(cc/100 in²/day)	10.1	10.1	8.5	7.1	5.2	4.5	2.9	

STORAGE & HANDLING

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SELEXIBLE F-DSC-AP **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

F-DSC-AP BOTH SIDES COATED-UPF CHEMICAL & STANDARD PRIMER

F-DSC-AP is a transparent BOPET film. The film is one side UPF Chemical coated with the other side being Standard Primer coated.

KEY FEATURES:

- High clarity
- Both surfaces provides excellent adhesion with various inks & adhesives Excellent machinability & handling
- properties



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill & Seal Structures
- Hot fill & Pasteurization

PROPERTIES		TEST METHOD	UNIT			TYPICAL	VALUES			
		Internal	Micron	10	12	19	23	36	50	
THICKNESS		internal	(Gauge)	40	48	76	92	144	200	
XIEL D		Internal	m² / kg	71.42	59.52	37.59	31.05	19.84	14.28	
need		internal	in² /lb	50318	41934	26483	21876	13978	10060	
SURFACE TENSION (min)			dupo/cm			4	8			
(Standard Primer Coated surface)		A31W 0-2376	dyne/cm		40					
COF (max) (One side to the other)		ASTM D-1894	-	0.50 0.50 0.50 0.50 0.45 0.45				0.45		
HAZE (max)		ASTM D-1003	%	3.5	3.5	4.0	4.0	4.0	4.5	
	MD			1900	1900	1900	1900	1750	1750	
	TD		kg/cm ²	2000	2000	2000	2000	2000	2000	
	MD	ASTIVI D-002	(Psi)	27000	27000	27000	27000	25000	25000	
	TD		(1.5))	28500	28500	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ΔSTM D-882	<i></i>	100	105	110	115	120	125	
	TD	7.51W B 002	%	80	85	85	90	90	95	
LINEAR SHRINKAGE (max)	MD	ASTM D-120/	%			3	.0			
(30 Minute at 150°C)	TD	A31WID-1204	/0			1	.0			
M//TP (38°C & 90% PH) (typical)		ASTM F-1249	gm/m²/day	50	45	35	30	20	16	
			(gm/100 in²/day)	3.2	2.9	2.3	2.0	1.3	1.0	
OTP (23°C & 0% PH) (typical)		ASTM D-3985	cc/m²/day	155	130	90	80	70	45	
			(cc/100 in²/day)	10.1	8.5	5.8	5.2	4.5	2.9	

STORAGE & HANDLING *MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

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Selexible



SELEXIBLE F-DSC-CA **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

FILM STRUCTURE

F-DSC-CA BOTH SIDES COATED-CHEMICAL & STANDARD PRIMER

F-DSC-CA is a transparent BOPET film. The film is one side Chemical Coated with the other side being Standard Primer Coated.

KEY FEATURES:

- High clarity
- Both surfaces provides excellent adhesion with various inks & adhesives
- Excellent machinability & handling properties
- Not suitable for hot fill, sterilization or pasteurization



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill & seal Structures

PROPERTIES		TEST METHOD	UNIT		TY	PICAL VALU	ES		
THICKNESS		Internal	Micron	10	12	23	36	50	
THICKNESS		interna	(Gauge)	40	48	CAL VALUES 23 36 5 92 144 24 31.05 19.84 14 21876 13978 10 60		200	
XIEL D		Internal	m² / kg	71.42	59.52	31.05	19.84	14.28	
TILLO		internal	in² /lb	50318	41934	21876	13978	10060	
SURFACE TENSION (min)		ASTM D_2579	dyno/cm			60			
(Standard Primer coated surface)		A310 2378	dynezem	40					
COF (max) (One side to the other)		ASTM D-1894	-	0.50	0.50	0.50	0.45	0.45	
HAZE (max)		ASTM D-1003	%	3.5	3.5	4.0	4.0	4.5	
	MD			1900	1900	1900	1750	1750	
	TD		kg/cm ²	2000	2000	2000	2000	2000	
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-882	(Dci)	27000	27000	27000	25000	25000	
	TD		(F3)	28500	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882		100	105	115	120	125	
	TD	ASTINI D 002	%	80	85	90	90	95	
LINEAR SHRINKAGE (max)	MD	ASTM D-120/	%			3.0			
(30 Minute at 150°C) TD		ASTINIO 1204	10			1.0			
		ASTM F-1249	gm/m²/day	50	45	30	20	16	
WWWW(50°C & 50% KH) (typical)			(gm/100 in²/day)	3.2	2.9	2.0	1.3	1.0	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	80	70	45	
			(cc/100 in²/day)	10.1	8.5	5.2	4.5	2.9	

STORAGE & HANDLING *MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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Selexible



SELEXIBLE F-DSC-CC TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-DSC-CC BOTH SIDES COATED-CHEMICAL

F-DSC-CC is a transparent BOPET film. The film is Chemical Coated on both sides.

KEY FEATURES:

- High clarity
- Chemical Coated Surface provides
 excellent adhesion with various inks &
 adhesives
- Excellent machinability & handling properties
- Not suitable for hot fill, sterilization or pasteurization



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill & Seal Structures

PROPERTIES		TEST METHOD	UNIT		ТҮ	PICAL VALU	ES	
THICKNESS		Internal	Micron	10	12	23	36	50
THICKNESS		interna	(Gauge)	40	48	92	144	200
XIEL D		Internal	m² / kg	71.42	59.52	31.05	19.84	14.28
		internal	in² /lb	50318	41934	21876	13978	10060
SURFACE TENSION (min) (Chemical Coated Surface)		ASTM D-2578	dyne/cm			60		
COF (max) (One side to the other)		ASTM D-1894	-	0.50	0.50	0.50	0.45	0.45
HAZE (max)		ASTM D-1003	%	4.0 4.0 5.0 5.5				6.0
	MD			1900	1900	1900	1750	1750
TENSILE STRENGTH AT BREAK (min)	TD		kg/cm²	2000	2000	2000	2000	2000
TENSILE STRENGTTAT BREAK (IIIII)	MD	A31W D-002	(Psi)	27000	27000	27000	25000	25000
	TD		(1.51)	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ΔSTM D-882	04	100	105	115	120	125
	TD	N31W B 002	%	80	85	90	90	95
LINEAR SHRINKAGE (max)	MD	ASTM D-120/	%			3.0		
(30 Minute at 150°C)	TD	ASTWD-1204	/0			1.0		
		ASTM F-1249	gm/m²/day	50	45	30	20	16
WWTR (50°C & 50% RH) (typical)			(gm/100 in²/day)	3.2	2.9	2.0	1.3	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	80	70	45
			(cc/100 in²/day)	10.1	8.5	5.2	4.5	2.9

STORAGE & HANDLING

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FOOD CONTACT

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Selexible



SELEXIBLE F-DSC-CP **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

FILM STRUCTURE

F-DSC-CP BOTH SIDES COATED-CHEMICAL & UPF CHEMICAL

F-DSC-CP is a transparent BOPET film. The film is one side UPF Chemical Coated to provide a modified functional surface with the other side being Chemical Coated.

KEY FEATURES:

High clarity

- Both surfaces provide excellent adhesion with various inks & adhesives
- Excellent machinability & handling properties
- Not suitable for hot Fill, Sterilization, or Pasteurization



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill & Seal Structures

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES					
THICKNESS		Internal	Micron	10	12	23	36	50	
THICKINESS		interna	(Gauge)	40	48	92	144	200	
XIELD		Internal	m² / kg	71.42	59.52	31.05	19.84	14.28	
TILLD		interna	in² /lb	50318	41934	21876	13978	10060	
SURFACE TENSION (min)			duna (cm			60			
(UPF Chemical Coated Surface))			dynezem			48			
COF (max) (One side to the other)		ASTM D-1894	-	0.50	0.50	0.50	0.45	0.45	
HAZE (max)		ASTM D-1003	%	4.0	4.0	5.0	5.5	6.0	
	MD			1900	1900	1900	1750	1750	
	TD		kg/cm²	2000	2000	2000	2000	2000	
TENSILE STRENGTH AT BREAK (IIIII)	MD	ASTIVI D-002	(Psi)	27000	27000	27000	25000	25000	
	TD		(1)	28500	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ΔSTM D-882	<i></i>	100	105	115	120	125	
	TD	ASTINE 002	%	80	85	90	90	95	
LINEAR SHRINKAGE (max)	MD	ASTM D_120/	%			3.0			
(30 Minute at 150°C) TD		ASTIM D-1204	/0			1.0			
		ASTM F-1249	gm/m²/day	50	45	30	20	16	
			(gm/100 in²/day)	3.2	2.9	2.0	1.3	1.0	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	80	70	45	
			(cc/100 in²/day)	10.1	8.5	5.2	4.5	2.9	

STORAGE & HANDLING *MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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Selexible



SELEXIBLE F-DSC-EE **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

FILM STRUCTURE

F-DSC-EE BOTH SIDES COATED - DIRECT EXTRUSION

F-DSC-EE is a transparent BOPET film. Both sides of the film are EXC Chemical coated to provide modified functional surfaces.

KEY FEATURES:

- High clarity
- No solvent emissions or residuals during extrusion coating
- Excellent machinability & handling properties
- No additional priming needed prior to extrusion



APPLICATION:

- Conversion & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures
- Specially designed for direct extruded polyethylene adhesion without the need for primer

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES					
THICKNESS		Internal	Micron	10	12	23	36	50	
THERMESS		Internar	(Gauge)	40	48	23 36 9 92 144 2 31.05 19.84 14 21876 13978 10 38 38 38 36 0.40 0.40 0.40 0 1900 1750 1 2000 2000 25 21500 28500 285 115 120 1 90 90 1 3.0 1.0 1	200		
YIELD		Internal	m² / kg	71.42	59.52	31.05	19.84	14.28	
iileb		internar	in² /lb	50318	41934	21876	13978	10060	
SURFACE TENSION (min) (EXC Chemical Coated surface)		ASTM D-2578	dyne/cm			38			
COF (max) (One side to the other)		ASTM D-1894	-	0.35	0.35	0.40	0.40	0.40	
HAZE (max)		ASTM D-1003	%	3.5	3.5	4.0	4.0	4.5	
	MD			1900	1900	1900	1750	1750	
TENSILE STRENGTH AT REAK (min)	TD		kg/cm²	2000	2000	2000	2000	2000	
TENSILE STRENGTTAT BREAK (IIIII)	MD	A31WI D-002	(Psi)	27000	27000	27000	25000	25000	
	TD		(1)	28500	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882		100	105	115	120	125	
	TD	ASTINE 002	%	80	85	90	90	95	
LINEAR SHRINKAGE (max)	MD	ASTM D_1204	%			3.0			
(30 Minute at 150℃) TD		ASTM D-1204	10			1.0			
		ASTM F-1249	gm/m²/day	50	45	30	20	16	
			(gm/100 in²/day)	3.2	2.9	1.6	1.3	1.0	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	80	70	45	
			(cc/100 in²/day)	10.1	8.5	5.2	4.5	2.9	

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Selexible



SELEXIBLE F-DSC-HH TECHNICAL DATA SHEET **BIAXIALLY ORIENTED POLYESTER FILM**

FILM STRUCTURE

F-DSC-HH MODIFIED CHEMICAL COATED FILM

Base polyester is a specialized design for high adhesion to typical inks, adhesives and metallization.

KEY FEATURES:

- Excellent barrier properties
- High metal bond strength
- Good machinability & handling properties



APPLICATION:

- Flexible packaging
- Lamination
- Hot fill applications up to 80°C

PROPERTIES		TEST METHOD	UNIT		ТҮ	PICAL VALUES	
		late we al	Micron	11	12	23	36
THICKNESS		Internal	(Gauge)	44	48	92	144
		Internal	m² / kg	64.93	59.52	31.05	19.84
TIELD		internal	in² /lb	45745	45745 41934 21876		
SURFACE TENSION (min) (Modified Chemical Coated Surface) ASTM D-2578 dyne/cm 42							
COF (max)				0.5	0.5	0.5	0.5
(One side to the other)		ASTM D- 1894	-	0.55	0.55	0.55	0.55
HAZE (min)		ASTM D-1003	%	4.0	4.0	4.0	5.0
	MD			1900	1900	1900	1750
	TD		kg/cm²	2000	2000	2000	2000
AT BREAK (min)	MD	ASTIVI D-662	(Dci)	27000	27000	27000	25000
	TD		(1.51)	28500	28500	28500	28500
ELONGATION AT BREAK	MD			100	105	115	120
(min)	TD	ASTIVI D-002	%	85	85	90	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD TD	ASTM D-1204	3. 1.	00			
	·	ASTM E_12/0	gm/m²/day	45	45	30	20
1VI V I R (38° C & 90% RH) (typ	ical)	AJ1017-1249	(gm/100 in²/day)	2.9	2.9	2.0	1.3
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m²/day	130	130	80	70
01R (23°C & 0% RH) (typical)			(cc/100 in²/day)	8.5	8.5	5.2	4.5

STORAGE & HANDLING

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FOOD CONTACT

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Selexible



SELEXIBLE F-DSC-MM **TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM**

F-DSC-MM BOTH SIDES COATED-MODIFIED PRIMER

F-DSC-MM is a transparent BOPET film. The film is Modified Primer coated on both sides.

KEY FEATURES:

- High clarity
- Modified Primer coated surfaces provide excellent adhesion with inks & adhesives
- Excellent machinability & handling
- properties



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill & Seal Structures

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES					
		Internal	Micron	10	12	23	36	50		
THICKINESS		interna	(Gauge)	40	48	92	144	200		
XIELD		Internal	m² / kg	71.42	59.52	31.05	19.84	14.28		
TILLD		internal	in² /lb	50318	41934	21876	13978	10060		
SURFACE TENSION (min) (Modified primer coated surface)		ASTM D-2578	dyne/cm	52						
COF (max) (One side to the other)		ASTM D-1894	-	0.45 0.45 0.45 0.40				0.40		
HAZE (max)		ASTM D-1003	%	3.5	3.5	4.5	4.5	5.0		
	MD	- ASTM D-882	kg/cm²	1900	1900	1900	1750	1750		
	TD			2000	2000	2000	2000	2000		
TENSILE STRENGTH AT BREAK (IIIII)	MD		(Psi)	27000	27000	27000	25000	25000		
	TD			28500	28500	28500	28500	28500		
ELONGATION AT BREAK (min)	MD			100	105	115	120	125		
		A31WI D-002	%	80	85	90	90	95		
LINEAR SHRINKAGE (max) MD (30 Minute at 150°C) TD		ASTM D_1204	0/	3.0						
		ASTM D-1204	10	1.0						
MVTR 38°C & 90% RH) (typical)		ASTM F-1249	gm/m²/day	50	45	30	20	16		
			(gm/100 in²/day)	3.2	2.9	2.0	1.3	1.0		
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	80	70	45		
			(cc/100 in²/day)	10.1	8.5	5.2	4.5	2.9		

STORAGE & HANDLING *MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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Selexible



SELEXIBLE F-DSC-PM **TECHNICAL DATA SHEET** BIAXIALLY ORIENTED POLYESTER FILM

F-DSC-PM BOTH SIDES COATED - UPF CHEMICAL & MODIFIED PRIMER

F-DSC-PM is a transparent BOPET film. The film is one side UPF Chemical Coated to provide a modified functional surface with the other side being Modified Primer Coated.

KEY FEATURES:

- High clarity
- Both surface types provide excellent adhesion with various inks & adhesives
- Excellent machinability & handling
- properties



APPLICATION:

- Conversion & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures

PROPERTIES		TEST METHOD	UNIT		TYPICAL VALUES					
THICKNESS		Internal	Micron	10	12	19	23	36	50	
THERMESS		internal	(Gauge)	40	48	76	92	144	200	
XIEL D		Internal	m² / kg	71.42	59.52	37.60	31.05	19.84	14.28	
		memdi	in² /lb	50318	41934	26483	21876	13978	10060	
SURFACE TENSION (min)				48						
(UPF Chemical Coated surface) (Modified Primer Coated surface)		ASTM D-2578	dyne/cm	52						
COF (max) (One side to the other)		ASTM D-1894	-	0.35	0.35	0.40	0.40	0.40	0.40	
HAZE (max)		ASTM D-1003	%	3.5	3.5	4.0	4.5	4.5	5.0	
	MD	ASTM D-882		1900	1900	1900	1900	1750	1750	
	TD		kg/cm²	2000	2000	2000	2000	2000	2000	
TENSILE STRENGTTAT BREAK (IIIII)	MD		(Psi)	27000	27000	27000	27000	25000	25000	
	TD			28500	28500	28500	28500	28500	28500	
ELONGATION AT BREAK (min)	MD		%	100	105	110	115	120	125	
	TD			80	85	90	90	90	95	
LINEAR SHRINKAGE (max) MD (30 Minute at 150°C) TD		ASTM D_120/	o/	3.0						
		A31WD-1204	/0	1.0						
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m²/day	50	45	35	30	20	16	
			(gm/100 in²/day)	3.2	2.9	2.3	2.0	1.3	1.0	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	90	80	70	45	
			(cc/100 in²/day)	10.1	8.5	5.8	5.2	4.5	2.9	

STORAGE & HANDLING *MD = MACHINE DIRECTION *TO = TRANSVERSE DIRECTION SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

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Selexible



SELEXIBLE F-DSC-PP TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-DSC-PP BOTH SIDES COATED-UPF CHEMICAL COATED

F-DSC-PP is a transparent BOPET film. The film is UPF Chemically Coated to provide a modified functional surface on both sides.

KEY FEATURES:

- High clarity
- UPF Chemical Coating provides excellent adhesion with various inks & adhesives
- Excellent machinability & handling properties
 - bioperties



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill & Seal Structures
- Hot fill, Pasteurization, Sterilization, & Retort applications

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES					
THICKNESS		Internal	Micron	10	12	15	23	36	50
THERES		Interna	(Gauge)	40	48	60	92	144	200
YIELD.		Internal	m² / kg	71.42	59.52	47.62	31.05	19.84	14.28
need		interna	in² /lb	50318	41934	33550	21876	13978	10060
SURFACE TENSION (min) (UPF Chemical Coated Surface)		ASTM D-2578	dyne/cm	48					
COF (max) (One side to the other)		ASTM D-1894	-	0.45	0.45	0.45	0.40	0.40	0.40
HAZE (max)		ASTM D-1003	%	3.5	3.5	3.5	4.0	4.0	4.5
	MD*	- ASTM D-882	kg/cm²	1900	1900	1900	1900	1750	1750
TENSILE STRENGTH AT REAK (min)	TD*			2000	2000	2000	2000	2000	2000
TENSILE STRENGTT AT BREAK (IIIII)	MD		(Psi)	27000	27000	27000	27000	25000	25000
	TD			28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	100	105	110	115	120	125
	TD			80	85	85	90	90	95
LINEAR SHRINKAGE (max) MD (30 Minute at 150°C) TD		ASTM D-120/	%	3.0					
		ASTIVI D-1204	/0	1.0					
MVTR (38º C & 90% RH) (typical)		ASTM F-1249	gm/m²/day	50	45	40	30	20	16
			(gm/100 in²/day)	3.2	2.9	2.6	2.0	1.3	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m²/day	155	130	110	80	70	45
			(cc/100 in²/day)	10.1	8.5	7.1	5.2	4.5	2.9

STORAGE & HANDLING

SELEXIBLE needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLE complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

DISCLAIMER

It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Selexible provides no warr anty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Selexible reserves the right to change the technical data sheet at any time without prior notice.

Selexible



SELEXIBLE F-DSC-UA TECHNICAL DATA SHEET BIAXIALLY ORIENTED POLYESTER FILM

F-DSC-UA BOTH SIDES COATED - UVC & STANDARD PRIMER

F-DSC-UA is a transparent BOPET film. The film is UVC Coated on one side and Standard Primer Coated on the other side.

KEY FEATURES:

- High clarity
- Primer coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling properties
- UVC coating is suitable for UV offset sheet printing



APPLICATION:

Film is designed for UV offset sheet

printing in box lamination

PROPERTIES		TEST METHOD	UNIT		т	YPICAL VALUES			
THICKNESS			Micron	12	23	36	50		
		internai	(Gauge)	48	92	144	200		
		m² / kg		59.52	31.05	19.84	14.28		
TIELD			in² /lb	41934	21876	13978	10060		
SURFACE TENSION (min)				50					
(Standard Primer Coated sur	rface)	ASTM D-2578	ayne/cm		2	i0			
COF (max) (One side to the other)		ASTM D-1894	-	0.45	0.40	0.40	0.40		
HAZE (max)		ASTM D-1003	%	3.5	4.0	4.0	4.5		
TENSILE STRENGTH AT BREAK (min)	MD			1900	1900	1750	1750		
	TD	ASTM D-882	kg/cm²	2000	2000	2000	2000		
	MD	ASTIN D 002	(Psi)	27000	27000	25000	25000		
	TD			28500	28500	28500	28500		
ELONGATION AT BREAK	MD			105	115	120	125		
(min)		ASTIN D 002	%	85	90	90	95		
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD TD	ASTM D-1204	%						
			gm/m²/day	40	30	20	16		
MVTR (38º C & 90% RH) (typical)		ASTM F-1249	(gm/100 in²/day)	2.6	2.0	1.3	1.0		
OTR (23º C & 0% RH) (typical)		45TM D-3985	cc/m²/day	130	80	70	45		
		6966-0 1917	(cc/100 in²/day)	8.5	5.2	4.5	2.9		

STORAGE & HANDLING

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FOOD CONTACT

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F-PGS

TRANSPARENT HIGH BARRIER BOPET FILM

F-PGS is a transparent high barrier polyester film. It is one side high barrier coating with excellent oxygen & good moisture barrier properties and other side untreated /corona treated film.

KEY FEATURES:

- Excellent oxygen and Good moisture barrier
- High Transparency.
- Good laminate bond.
- Good flex crack resistance.
- Good water resistance

FILM STRUCTURE



APPLICATIONS:

- Dry Food packaging
- Film is designed where Oxygen Barrier & Water resistance is required

PROPERTIES			TEST METHOD	UNIT	TYPICAL VALUES		
THICKNESS			Internal	Micron	12		
				(Gauge)	48		
YIELD	YIELD		Internal	m²/kg	59.52		
	Coated				52		
SURFACE LENSION #	Other s	ide	ASTM D-882	dyne/cm	46		
COF (max) (Coated side to Non Coated si	COF (max) (Coated side to Non Coated side)		ASTM D-1874	-	0.55		
HAZE (max)	HAZE (max)		ASTM D-1003	%	4.0		
M		/ID		kg/cm²	1900		
TENSILE STRENGTH AT BREA	TENSILE STRENGTH AT BREAK (min) TD		ASTIN D-002		2000		
	MD				105		
		D	ASTM D-882	%	85		
THERMAL SHRINKAGE (max)	n n	/ID		%	3.0		
(30 Minute at 150°C)		D	A31WI D-1204		1.0		
OTR (23°C & 0% RH) (Typical)			ASTM D-3985	cc/m²/day	1.8		
MVTR (38°C & 90% RH) (Typical)			ASTM D-3985	g /m²/ day	25		

Ref no. QAD UFLI S/22 - F111/1 # The inherent surface tension of the untreated side of any film is minium 42 dyne/cm.

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