

# F-EXC

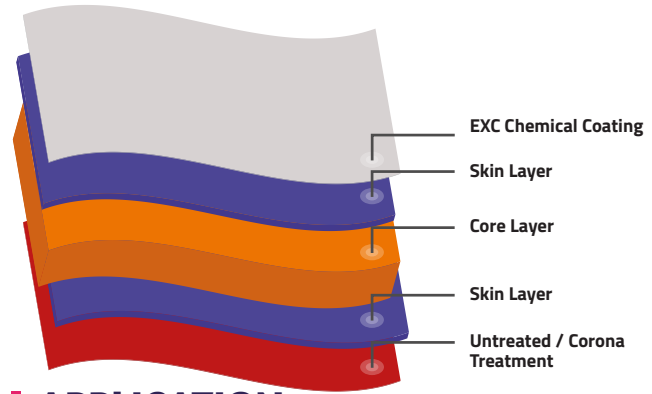
## DIRECT EXTRUSION FILM

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 STRUCTURE



### APPLICATION:

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

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	12	23	36
			(Gauge)	48	92	144
YIELD		Internal	m <sup>2</sup> / kg	59.52	31.05	19.84
			in <sup>2</sup> / lb	41934	21876	13978
SURFACE TENSION (min) # (Corona Treated) (EXC Chemical)		ASTM D-2578	dyne/cm	52		
				38		
COF (max) (Corona Treated to EXC Chemical) (Untreated to Corona Treated)		ASTM D-1894	-	0.50	0.50	0.45
				0.45	0.45	0.40
HAZE (max)		ASTM D-1003	%	4.0	4.5	5.5
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1900	1900	1750
	TD			2000	2000	2000
	MD		(Psi)	27000	27000	25000
	TD			28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105	115	120
	TD			85	90	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0		
	TD			1.0		
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m <sup>2</sup> /day	45	30	20
			(gm/100 in <sup>2</sup> /day)	2.9	2.0	1.3
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	80	70
			(cc/100 in <sup>2</sup> /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

FLEXPET™ 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, FLEXPET™ is suitable for use within 270 days from the date of shipment.

### FOOD CONTACT

FLEXPET™ 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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