

Product Description:

- F-PCR is a transparent polyester film
- The film is one side Corona Treated with one side Untreated or both sides Untreated
- F-PCR is available with recycled content (50% or 90%)

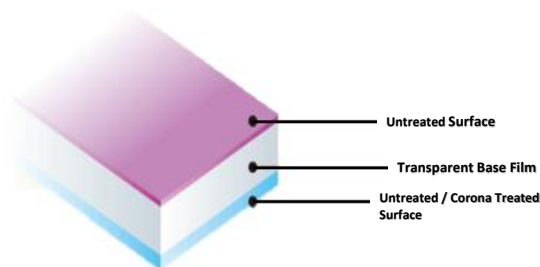
Application:

- Flexible packaging
- Solvent & Water base coating

Key Features:

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

Film Structure



PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUES				
THICKNESS	Internal	Micron	12	23	36	50	
		(Gauge)	48	92	144	200	
YIELD		m ² /kg	59.52	31.05	19.84	14.28	
		in ² /lb.	41934	21876	13978	10060	
SURFACE TENSION (range) (Corona Treated surface)	D-2578	Dyne/cm	52-64				
COF (max) (Untreated to Untreated) (Untreated to Corona Treated)	D-1894	-	0.50	0.45	0.40	0.40	
			0.50	0.50	0.50	0.45	
HAZE (max)	D-1003	%	4.0	4.5	5.0	5.5	
TENSILE STRENGTH AT BREAK (min)	MD	Kg/cm ² (Psi)	1900	1900	1750	1750	
	TD		2000	2000	2000	2000	
	MD		D-882	27000	27000	25000	25000
	TD			28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	%	105	115	120	125	
	TD		85	90	90	95	
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	D-1204	3.0				
	TD		1.0				
MVTR (Typical) (38°C & 90%RH)	F-1249	gm/m ² /day	45	30	20	16	
		(gm/100in ² /day)	2.9	2.0	1.3	1.0	
OTR (Typical) (23°C & 0%RH)	D-3985	cc/m ² /day	130	80	70	45	
		(cc/100in ² /day)	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

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 9 months from the date of manufacturing.

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

It is the responsibility of our customers to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The values given in the technical data sheet represent typical values based on the best of our knowledge on the date when the data was compiled. It 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. Flex Films (USA) Inc. gives no warranty nor accepts liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.