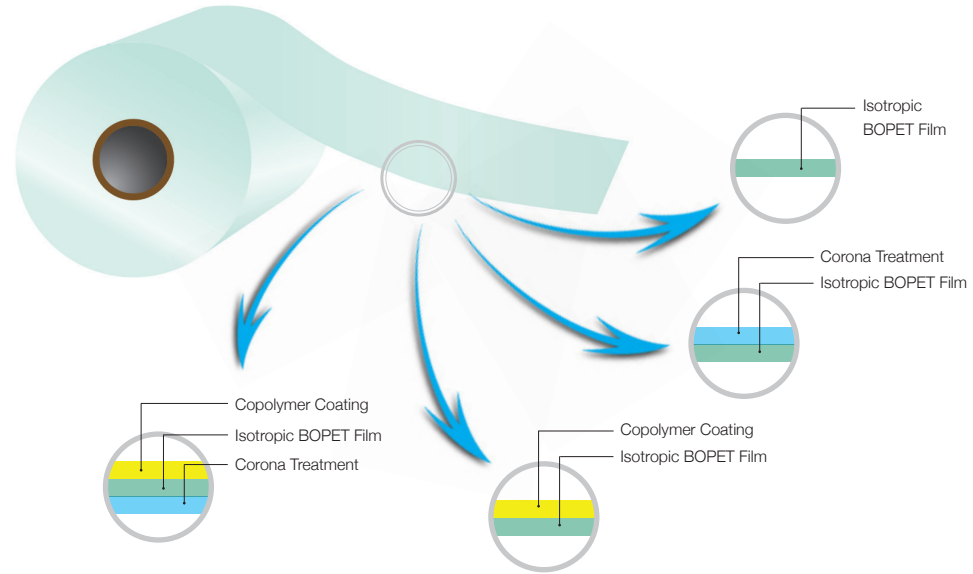


PETLAR-PI grade is a Biaxially Oriented Transparent Polyester Film which provides excellent isotropic characteristics, i.e., uniform strength in all directions. The film delivers excellent thermal & dimensional stability. The film surface can be corona treated/chemical coated for better adhesion to printing inks & laminating adhesives.

PETLAR-PI grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 12 to 36 Micron (48-144 Gauge).



APPLICATIONS

- Metallizing
- Lidding for cups, tubs & trays
e.g. yogurt, ice cream, beverages

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter					
Thickness (Micron)		12	23	36	Approx Outer Roll Diameter (mm)
Length (Meters)	6000		475	570	
	9000		560	700	
	12000		650	795	
	18000	580			
	24000	660			
	36000	795			
Width Range		400-2500 mm / 15-99 Inch			
<i>Customised specs also available on request</i>					

Standard Roll Presentation - 3 Inch / 76 mm Core Diameter					
Thickness (Micron)		12	23	36	Approx Outer Roll Diameter (mm)
Length (Meters)	3000			400	
	6000		450		
	9000	400	545		
	12000	455			
	18000	560			
Width Range		400-1500 mm / 15-59 Inch			
<i>Customised specs also available on request</i>					

SRF Limited, Packaging Films Business

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Indore: Plot No C 1-8, C 21-30, Indore Special Economic Zone, Pithampur - 454775, Distt. Dhar, Madhya Pradesh, India.

Kashipur: Plot No -12, Rampura, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar, Uttaranchal, India.

Rayong: D-20, Hemraj Eastern Seaboard Industrial Estate, 112, M003, Tambon Tasith, Amphur Pluakdaeng, Rayong Province 21140, Thailand.



Properties		Unit	Test Method	Product Code		
				PI0120	PI0230	PI0360
GENERAL						
Nominal Thickness		Micron	SRF Method	12	23	36
		Gauge		48	92	144
Yield		m ² /kg		60	31	20
		in ² /lb		42200	22000	14000
MECHANICAL						
Tensile Strength (min)	MD	kg/cm ² (kpsi)	ASTM D 882	2200 (31)	2100 (30)	2000 (29)
	TD			2400 (34)	2300 (32)	2200 (31)
	+45°			2200 (31)	2100 (30)	2000 (29)
	-45°			2300 (32)	2200 (31)	2100 (30)
	+45°/-45°	Ratio		0.66-1.50	0.66-1.50	0.66-1.50
Elongation at Break (min)	MD	%	ASTM D 882	100	100	100
	TD			90	90	90
	+45°			100	100	100
	-45°			90	90	90
	+45°/-45°	Ratio		0.50-2.00	0.50-2.00	0.50-2.00
SURFACE						
Coefficient of Friction	Static	-	ASTM D 1894	0.50	0.45	0.45
	Dynamic	-		0.45	0.40	0.40
Surface Energy	Plain Side	Dyne/cm	ASTM D 2578	44	44	44
	Corona Side			52+	52+	52+
	Copolymer Side			58+	58+	58+
THERMAL						
Shrinkage (150°C, 30 min)	MD	%	ASTM D 1204	2.2	2.2	2.2
	TD			0.4	0.4	0.4
OPTICAL						
Haze		%	ASTM D 1003	3.0	4.0	5.0
Transmittance				90	90	85
BARRIER						
WVTR (38°C & 90% RH)		gm/m ² /day	ASTM F 1249	<40	<25	<20
		gm/100in ² /day		<2.5	<1.6	<1.3
OTR (23°C & 0% RH)		cc/m ² /day	ASTM D 3985	<130	<70	<50
		cc/100in ² /day		<8.1	<4.4	<3.1

MD – Machine Direction | TD – Transverse Direction

Notes: 1) Above properties can be modified to suit customer's requirement; 2) Unless otherwise specified, the values given above are nominal.

DISCLAIMER

The information given above is known to the best of our knowledge and experience. Some of the properties can be changed as a result of supplier's effort to improve upon the quality of production efficiency of the subject. The information is believed to be the true and accurate and is not intended to violate any statutory condition or right of third party. SRF makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for the readers' consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.