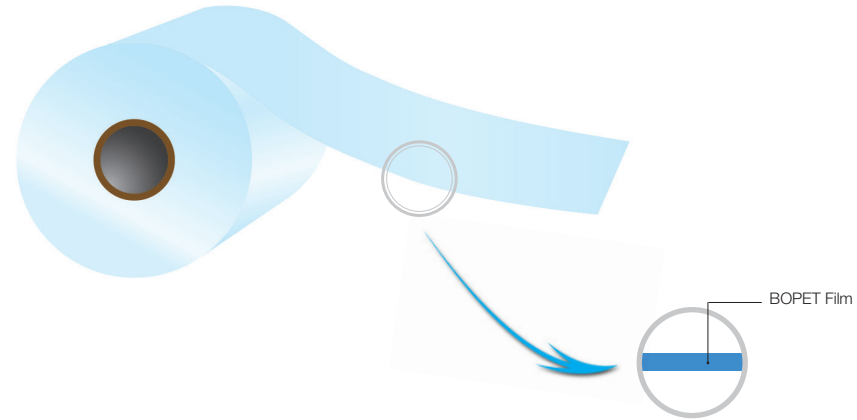


PETLAR-PT grade is a Biaxially Oriented Transparent Polyester Film with no surface treatment. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR-PT grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 8 to 75 Microns (32-300 Gauge).



APPLICATIONS

- Flexible Packaging
Printing, Coating, Lamination
- Metallizing

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter									
Thickness (Micron)		8	10	12	23	36	50	75	Approx Outer Roll Diameter (mm)
Length (Meters)	3000						495	590	
	6000				475	570	675	810	
	9000				560	700			
	12000				650	795			
	18000	485	535	580					
	24000	550	610	660					
	36000	660	735	795					
	42000		800	850					
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)		10	12	23	36	50	Approx Outer Roll Diameter (mm)
Length (Meters)	3000				400	460	
	6000			450			
	9000	370	400	545			
	12000	425	455				
	18000	515	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.



Typical values

Properties	Unit	Test Method	Product Codes												
			PT0080	PT0090	PT0100	PT0110	PT0120	PT0150	PT0190	PT0230	PT0300	PT0360	PT0500	PT0750	
GENERAL															
Nominal Thickness	Micron	SRF Method	08	09	10	11	12	15	19	23	30	36	50	75	
	Gauge		32	36	40	44	48	60	76	92	120	144	200	300	
Yield	m ² /kg		90	80	72	65	60	48	38	31	24	20	14	9	
	in ² /lb		63300	56300	50600	46000	42200	33700	26600	22000	16800	14000	10100	6700	
MECHANICAL															
Tensile Strength (min)	MD	kg/cm ² kpsi	ASTM D 882	2000	2000	2000	2000	2000	2000	2000	1900	1900	1900	1800	
				29	29	29	29	29	29	27	27	27	27	26	
	TD	kg/cm ² kpsi		2100	2100	2100	2100	2100	2100	2100	2000	2000	1900	1900	1700
				30	30	30	30	30	30	29	29	27	27	24	
Elongation at Break (min)	MD	%	ASTM D 882	110	110	110	110	110	110	120	120	125	125	130	
	TD			100	100	100	100	100	100	110	110	115	115	120	
SURFACE															
Coefficient of Friction	Static	-	ASTM D 1894	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.45	0.45	0.45	0.40	
	Dynamic	-		0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.40	0.40	0.40	0.35	
Surface Energy	Dyne/cm	ASTM D 2578	44	44	44	44	44	44	44	44	44	44	44	44	
THERMAL															
Shrinkage (150°C, 30 min)	MD	%	ASTM D 1204	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	TD			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
OPTICAL															
Haze	%	ASTM D 1003	3.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.0	5.0	6.0	7.0	
Transmittance			90	90	90	90	90	90	90	90	90	85	85	80	
BARRIER															
WVTR (38°C & 90% RH)	gm/m ² /day	ASTM F 1249	60	50	40	40	40	35	30	25	25	20	15	10	
	gm/100in ² /day		3.8	3.2	2.5	2.5	2.5	2.2	1.9	1.6	1.6	1.3	0.9	0.6	
OTR (23°C & 0% RH)	cc/m ² /day	ASTM D 3985	140	135	130	130	130	110	90	70	70	50	40	30	
	cc/100in ² /day		8.8	8.4	8.1	8.1	8.1	6.9	5.6	4.4	4.4	3.1	2.5	1.9	

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 contained herein is to be used only as a guideline for using PETLAR film. The specifications and characteristics mentioned are based on reliable test procedures. Users of this film should make independent assessment by their own for its suitability to their end use. SRF Ltd does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein.