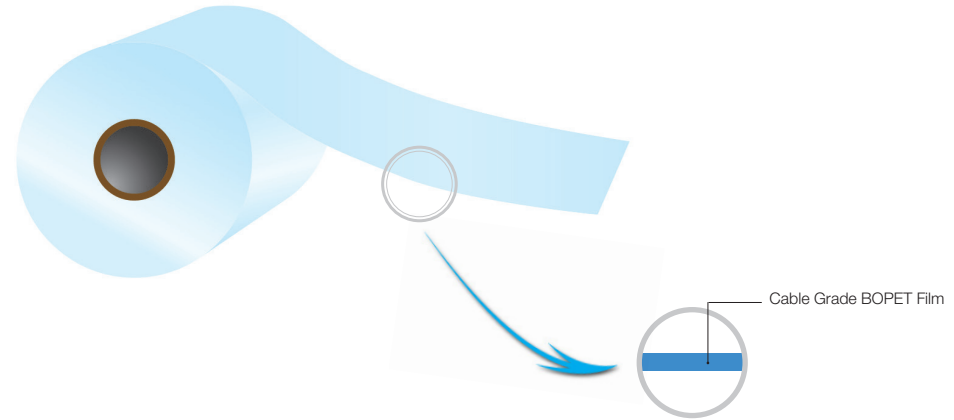


PETLAR-CH grade is a Biaxially Oriented Hazy Polyester Film with no surface treatment. The film is characterised by high dielectric constant, high break down voltage, good mechanical strength, thermo-mechanical stability and excellent temperature resistance. This grade is available in thickness range of 12 to 75 Micron (48-300 Gauge).



APPLICATIONS

- Cable Wrapping
- Electrical Insulation in Transformers, and Motors
- Release Applications

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter							
Thickness (Micron)		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	580					
	24000	660					
	36000	795					
	42000	850					
Width Range		400-2500 mm / 15-99 Inch					

Customised specs also available on request

Standard Roll Presentation - 3 Inch / 76 mm Core Diameter						
Thickness (Micron)		12	23	36	50	Approx Outer Roll Diameter (mm)
Length (Meters)	3000			400	460	
	6000		450			
	9000	400	545			
	12000	455				
	18000	560				
Width Range		400-1500 mm / 15-59 Inch				

Customised specs also available on request

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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 Code							
			CH0120	CH0150	CH0190	CH0230	CH0300	CH0360	CH0500	CH0750
GENERAL										
Nominal Thickness	Micron	SRF Method	12	15	19	23	30	36	50	75
	Gauge		48	60	76	92	120	144	200	300
Yield	m ² /kg		60	48	38	31	24	20	14	10
	in ² /lb		42000	33600	26600	22000	16800	14000	10100	6720
MECHANICAL										
Tensile Strength (min)	MD	ASTM D 882	2000	2000	2000	1900	1900	1900	1900	1800
			kpsi	29	29	29	27	27	27	27
	TD		2100	2100	2100	2000	2000	1900	1900	1700
			kpsi	30	30	30	29	29	27	27
Elongation at Break (min)	MD	ASTM D 882	100	100	100	100	100	100	100	100
	TD		90	90	90	100	100	100	100	100
SURFACE										
Coefficient of Friction	Static	ASTM D 1894	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.40
	Dynamic		0.45	0.45	0.45	0.40	0.40	0.40	0.40	0.35
Surface Energy	Plain Side	ASTM D 2578	44	44	44	44	44	44	44	44
THERMAL										
Shrinkage (150°C, 30 min)	MD	ASTM D 1204	2.2	2.2	2.2	2.0	2.0	2.0	2.0	2.0
	TD		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
OPTICAL										
Haze	%	ASTM D 1003	3.0	3.5	3.5	4.0	4.0	5.0	6.0	7.0
Transmittance			90	90	90	90	90	85	85	80
Electrical										
Break Down Voltage	KV	ASTM D 149	4.5	4.5	5.0	6.0	6.5	7.0	9.0	12.0
Surface Resistivity	Ohm/sq	ASTM D 257	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²

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.