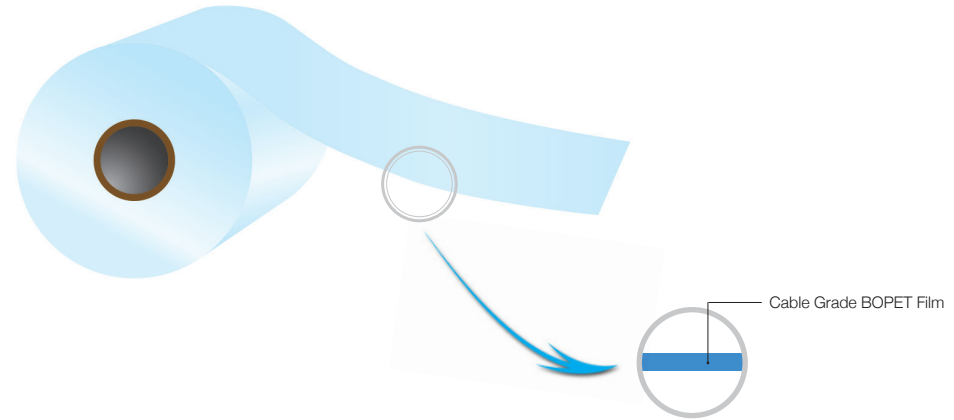


PETLAR-CH grade is a Biaxially Oriented Hazy Polyester Film with no surface treatment. The film is characterised by high dielectric constant, high break down voltage, good mechanical strength, thermo-mechanical stability and excellent temperature resistance. This grade is available in thickness range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

PETLAR-CH 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 Microns (48-144 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					
<i>Customised specs also available on request</i>							

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					
<i>Customised specs also available on request</i>							

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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.**



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	kg/cm ²	2000	2000	1900	1900	1900	1900	1800	1800	
		kpsi	29	29	27	27	27	27	26	26	
	TD	kg/cm ²	2000	2000	1900	1900	1900	1900	1800	1800	
		kpsi	29	29	27	27	27	27	26	26	
Elongation at Break (min)	MD	%	ASTM D 882	100	100	100	100	100	100	100	
	TD			90	90	90	100	100	100	100	100
SURFACE											
Coefficient of Friction	Static	-	ASTM D 1894	0.55	0.55	0.50	0.45	0.45	0.45	0.45	
	Dynamic	-		0.50	0.50	0.45	0.40	0.40	0.40	0.40	0.35
Surface Energy	Plain Side	Dyne/cm	ASTM D 2578	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	
	TD			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
OPTICAL											
Haze	%	ASTM D 1003	3.0	3.0	3.0	4.0	4.0	5.0	6.0	7.0	
Transmittance			90	90	90	90	90	85	85	80	
Electrical											
Break Down Voltage	gm/m ² /day	KV	4.5	4.5	5.0	6.0	6.5	7.0	9.0	12.0	
Surface Resistivity	cc/m ² /day	Ohm	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	
Volume Resistivity	cc/100in ² /day	Ohm/cm	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶	

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.