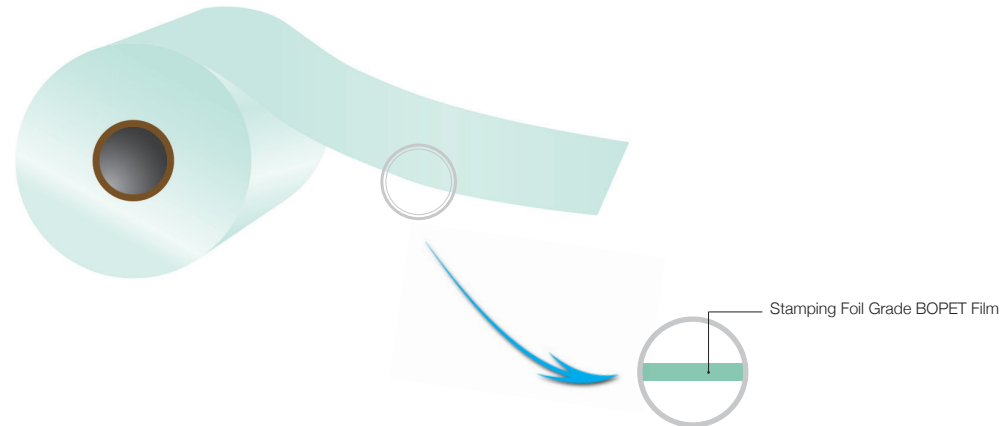


PETLAR-ST grade is a Biaxially Oriented Transparent Polyester Film suitable for stamping & other transfer applications. This film has excellent dimensional & thermal stability.

PETLAR-ST 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 23 Micron (48-92 Gauge).



APPLICATIONS

- Stamping Foil
- Metallic Yarn
- Transfer Metallizing
- Tension Coatings

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter						
Thickness (Micron)		12	15	19	23	
Length (Meters)	6000			440	475	Approx Outer Roll Diameter (mm)
	9000		480	525	560	
	12000		540	600	650	
	18000	580	650	715		
	24000	660	740			
	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	15	19	23	
Length (Meters)	6000			415	450	Approx Outer Roll Diameter (mm)
	9000	400	450	500	545	
	12000	455	515	580		
	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.**



Stamping Foil Grade Polyester Film

PETLAR-ST

Properties	Unit	Test Method	Product Code					
			ST0110	ST0120	ST0150	ST0190	ST0230	
GENERAL								
Nominal Thickness	Micron	SRF Method	11	12	15	19	23	
	Gauge		44	48	60	76	92	
Yield	m ² /kg		65	60	48	38	31	
	in ² /lb		46000	42200	33700	26600	22000	
MECHANICAL								
Tensile Strength (min)	MD	ASTM D 882	kg/cm ²	2100	2100	2100	2100	2000
			kpsi	30	30	30	30	29
	TD		kg/cm ²	2100	2100	2100	2100	2000
			kpsi	30	30	30	30	29
Elongation at Break (min)	MD	ASTM D 882	%	110	110	110	110	120
	TD		100	100	100	100	110	
SURFACE								
Coefficient of Friction	Static	ASTM D 1894	-	0.50	0.50	0.50	0.50	0.45
	Dynamic		-	0.45	0.45	0.45	0.45	0.40
Surface Energy	Plain Side	ASTM D 2578	Dyne/cm	44	44	44	44	44
THERMAL								
Shrinkage (190°C, 20 min)	MD	ASTM D 1204	%	4.4	4.4	4.4	4.4	4.4
	TD		-0.4	-0.4	-0.4	-0.4	-0.4	
OPTICAL								
Haze	%	ASTM D 1003		3.0	3.0	3.0	3.0	4.0
Transmittance				90	90	90	90	90
BARRIER								
WVTR (38°C & 90% RH)	gm/m ² /day	ASTM F 1249		<40	<40	<35	<30	<25
	gm/100in ² /day			<2.5	<2.5	<2.2	<1.9	<1.6
OTR (23°C & 0% RH)	cc/m ² /day	ASTM D 3985		<130	<130	<110	<90	<70
	cc/100in ² /day			<8.1	<8.1	<6.9	<5.6	<4.4

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.