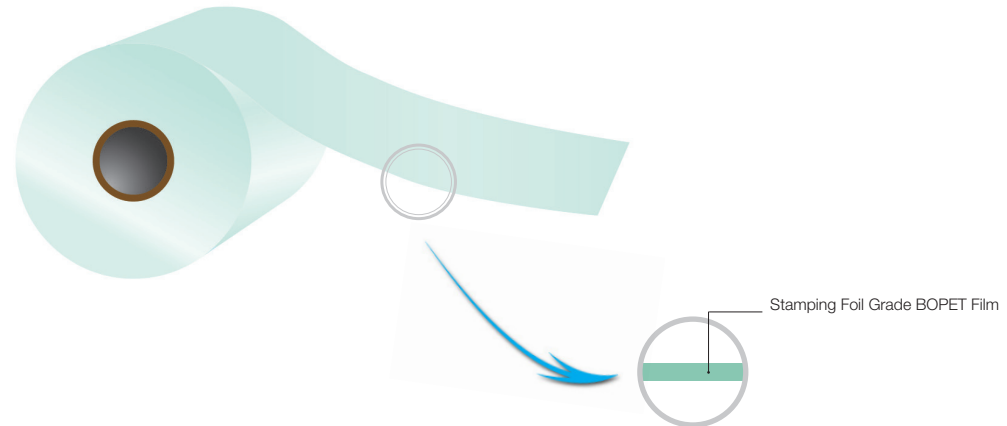


PETLAR-ST grade is a Biaxially Oriented Transparent Polyester Film suitable for stamping & other transfer applications. This film has excellent dimensional & thermal stability.

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	Approx Outer Roll Diameter (mm)
Length (Meters)	6000			440	475	
	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	Approx Outer Roll Diameter (mm)
Length (Meters)	6000			415	450	
	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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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					
			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	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	Dyne/cm	ASTM D 2578	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	90	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 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.