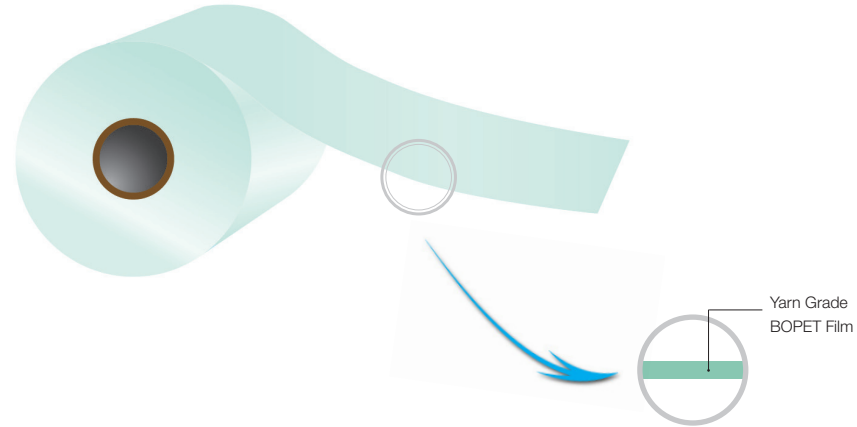


PETLAR-YT grade is a Biaxially Oriented Transparent Polyester Film characterized by good thermal & mechanical properties. This film exhibits suitable tensile strength and shrinkage for yarn applications. PETLAR-YT grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 12 to 36 Micron (48-144 Gauge).



APPLICATIONS

- Metallizing
- Lacquer Coating
- Synthetic (Metallic) Yarn
e.g embroidery, sequins, glitter

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter							
Thickness (Micron)		12	19	23	36	Approx Outer Roll Diameter (mm)	
Length (Meters)	6000		440	475	570		
	9000		525	560	700		
	12000		600	650	795		
	18000	580	715				
	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	19	23	36	Approx Outer Roll Diameter (mm)	
Length (Meters)	3000				400		
	6000		415	450			
	9000	400	500	545			
	12000	455	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.**



Typical values

Properties	Unit	Test Method	Product Code						
			YT0120	YT0190	YT0230	YT0300	YT0360		
GENERAL									
Nominal Thickness	Micron	SRF Method	12	19	23	30	36		
	Gauge		48	76	92	120	144		
Yield	m ² /kg		60	38	31	24	20		
	in ² /lb		42200	26600	22000	16800	14000		
MECHANICAL									
Tensile Strength (min)	MD	kg/cm ²	2200	2200	2100	2100	2000		
		kpsi	31	31	30	30	29		
	TD	kg/cm ²	2100	2100	2000	2000	1900		
		kpsi	30	30	29	29	27		
Elongation at Break (min)	MD	ASTM D 882	110	110	120	120	125		
	TD		100	100	110	110	115		
SURFACE									
Coefficient of Friction	Static		-	ASTM D 1894	0.50	0.50	0.45	0.45	0.45
	Dynamic	-	0.45		0.45	0.40	0.40	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	3.0	3.0	4.0	4.0	5.0
Transmittance		90	90		90	90	85		
BARRIER									
WVTR (38°C & 90% RH)	gm/m ² /day	ASTM F 1249	40	30	25	25	20		
	gm/100in ² /day		2.5	1.9	1.6	1.6	1.3		
OTR (23°C & 0% RH)	cc/m ² /day	ASTM D 3985	130	90	70	70	50		
	cc/100in ² /day		8.1	5.6	4.4	4.4	3.1		

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.