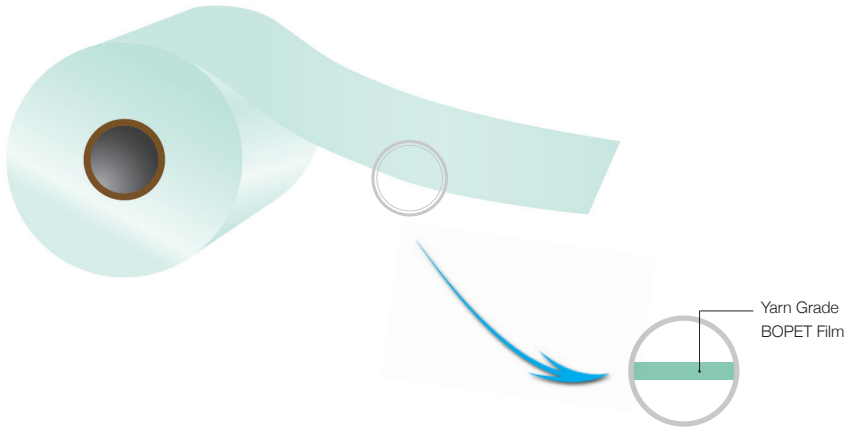
Yarn Grade Polyester Film

PETLAR-YT

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	
Length (Meters)	6000		440	475	570	Approx Outer Roll Diameter (mm)
	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				

Customised specs also available on request

Standard Roll Presentation - 3 Inch / 76 mm Core Diameter

Thickness (Micron)		12	19	23	36	
Length (Meters)	3000				400	Approx Outer Roll Diameter (mm)
	6000		415	450		
	9000	400	500	545		
	12000	455	580			
	18000	560				
Width Range		400-1500 mm / 15-59 Inch				

Customised specs also available on request

SRF Packaging Films Business

SRF Limited, Packaging Films Business

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Indore: Plot No C 1-8, C 21-30, Indore Special Economic Zone, Pithampur - 454775, Distt. Dhar, Madhya Pradesh, **India**.

Kashipur: Plot No -12, Rampura, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar, Uttranchal, **India**.

Rayong: D-20, Hemraj Eastern Seaboard Industrial Estate, 112, M003, Tambon Tasith, Amphur Pluakdaeng, Rayong Province 21140, **Thailand**.

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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	ASTM D 882	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.