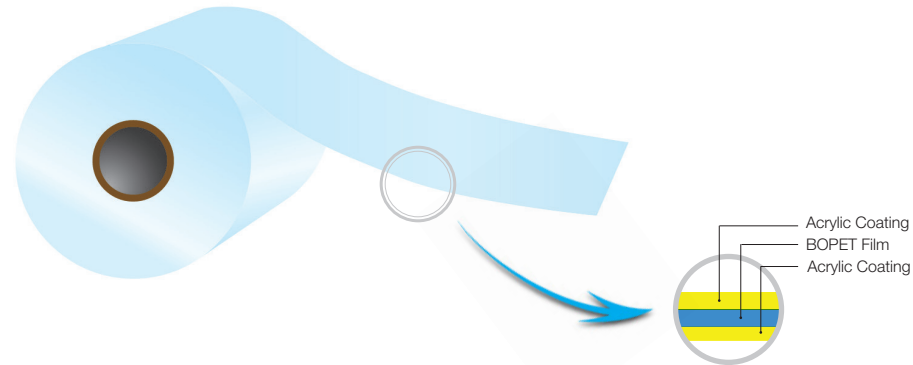


Both Side Coated Polyester Film

PETLAR-PB

PETLAR-PB grade is a Biaxially Oriented Transparent Polyester Film with both side acrylic coating. The acrylic coated surface provide better adhesion to inks, thereby superior printability. The acrylic coated surface is also recommended for surface printing and offers higher bond strength in laminates. The film posseses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR-PB grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 8 to 75 Microns (32-300 Gauge).



APPLICATIONS

- Flexible Packaging
Printing, Coating, Lamination
- Frozen Food Packaging

• Acrylic coated surface not suitable for metallization

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter								
Thickness (Micron)	8	10	12	23	36	50	75	
Length (Meters)	3000					495	590	Approx Outer Roll Diameter (mm)
	6000			475	570	675	810	
	9000			560	700			
	12000			650	795			
	18000	485	535	580				
	24000	550	610	660				
	36000	660	735	795				
42000		800	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)	10	12	23	36	50		
Length (Meters)	3000				400	460	Approx Outer Roll Diameter (mm)
	6000			450			
	9000	370	400	545			
	12000	425	455				
	18000	515	560				
Width Range	400-1500 mm / 15-59 Inch						
Customised specs also available on request							

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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.



Both Side Coated Polyester Film

PETLAR-PB

Typical values

Properties	Unit	Test Method	Product Code											
			PB0080	PB0090	PB0100	PB0110	PB0120	PB0150	PB0190	PB0230	PB0300	PB0360	PB0500	PB0750
GENERAL														
Nominal Thickness	Micron Gauge	SRF Method	08 32	09 36	10 40	11 44	12 48	15 60	19 76	23 92	30 120	36 144	50 200	75 300
Yield	m ² /kg in ² /lb		90 63300	80 56300	72 50600	65 46000	60 42200	48 33700	38 26600	31 22000	24 16800	20 14000	14 10100	9 6700
MECHANICAL														
Tensile Strength (min)	MD	kg/cm ² kpsi	ASTM D 882	2000 29	2000 29	2000 29	2000 29	2000 29	2000 29	2000 29	1900 27	1900 27	1900 27	1800 26
	TD	kg/cm ² kpsi		2100 30	2100 30	2100 30	2100 30	2100 30	2100 30	2100 30	2000 29	2000 29	1900 27	1900 27
Elongation at Break (min)	MD	%	ASTM D 882	110	110	110	110	110	110	110	120	120	125	130
	TD	%		100	100	100	100	100	100	100	110	110	115	120
SURFACE														
Coefficient of Friction	Static	-	ASTM D 1894	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.40	0.40	0.40	0.35
	Dynamic	-		0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.35	0.35	0.35	0.30
Surface Energy	Acrylic Side	Dyne/cm	ASTM D 2578	42	42	42	42	42	42	42	42	42	42	42
THERMAL														
Shrinkage (150°C, 30 min)	MD	%	ASTM D 1204	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	TD			0.4	0.4	0.4	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	3.0	3.0	3.5	3.5	4.0	4.0	5.0	6.0	7.0
Transmittance			90	90	90	90	90	90	90	90	90	90	85	85
BARRIER														
WVTR (38°C & 90% RH)	gm/m ² /day	ASTM F 1249	60	50	40	40	40	35	30	25	25	20	15	10
	gm/100in ² /day		3.8	3.2	2.5	2.5	2.5	2.2	1.9	1.6	1.6	1.3	0.9	0.6
OTR (23°C & 0% RH)	cc/m ² /day	ASTM D 3985	140	135	130	130	130	110	90	70	70	50	40	30
	cc/100in ² /day		8.8	8.4	8.1	8.1	8.1	6.9	5.6	4.4	4.4	3.1	2.5	1.9

MD – Machine Direction | TD – Transverse Direction

Notes: 1) Above properties can be modified to suit customer's requirement; 2) Unless otherwise stated the above values are nominal.

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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.