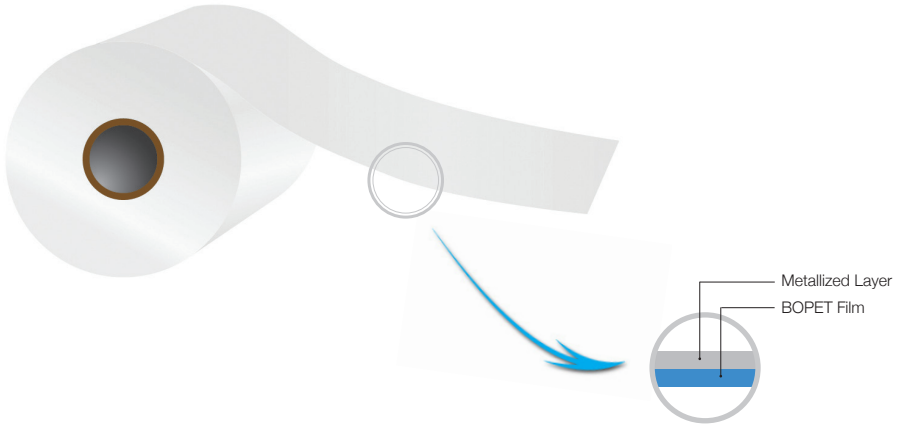
Plain Side Metallized Polyester Film

PETLAR-PM

PETLAR-PM grade is a Biaxially Oriented Vacuum Metallized Polyester Film with good barrier and high gloss properties. The base film used is plain polyester film with no surface treatment. The film posses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR-PM 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
- Decorative Applications

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

SRF Packaging Films Business

SRF Limited, Packaging Films Business

Block-C, Sector-45, Gurgaon-122003, Haryana, India Tel: (+91-124) 435 4400, Fax: (+91-124) 435 4500, pfbfilms@srf.com, www.srf.com

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**.

Plain Side Metallized Polyester Film

PETLAR-PM

Properties		Unit	Test Method	Product Code									
				PM0080	PM0090	PM0100	PM0110	PM0120	PM0150	PM0190	PM0230	PM0300	PM0360
GENERAL													
Nominal Thickness		Micron	SRF Method	08	09	10	11	12	15	19	23	30	36
		Gauge		32	36	40	44	48	60	76	92	120	144
Yield		m^2/kg		90	80	72	65	60	48	38	31	24	20
		in^2/lb		63300	56300	50600	46000	42200	33700	26600	22000	16800	14000
MECHANICAL													
Tensile Strength (min)	MD	kg/cm^2	ASTM D 882	2000	2000	2000	2000	2000	2000	2000	1900	1900	1900
		kpsi		29	29	29	29	29	29	29	27	27	27
	TD	kg/cm^2		2100	2100	2100	2100	2100	2100	2100	2000	2000	1900
		kpsi		30	30	30	30	30	30	30	29	29	27
Elongation at Break (min)	MD	%	ASTM D 882	110	110	110	110	110	110	110	120	120	125
	TD	%		100	100	100	100	100	100	100	110	110	115
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
	TD			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
OPTICAL, BARRIER & METAL BOND STRENGTH													
Optical Density*		-	SRF Method	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
WVTR (38°C & 90% RH)		$gm/m^2/day$	ASTM F 1249	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
		$lb/100in^2/day$		<0.09	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
OTR (23°C & 0% RH)		$cc/m^2/day$	ASTM D 3985	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
		$cc/100in^2/day$		<0.09	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Metal Bond Strength		gm/25mm	SRF Method	200	200	200	200	200	200	200	200	200	200

* As measured on Tobias Densitometer MD – Machine Direction | TD – Transverse Direction

Notes: 1) Metallized side is available wound inside/outside of the roll - customer to specify accordingly; 2) Metallization with Plasma Treatment for uniform and enhanced metal adhesion is available; 3) Optical Density upto 2.5 is available on request; 4) Above properties can be modified to suit customer's requirement; 5) Unless otherwise specified, the values given above are nominal.