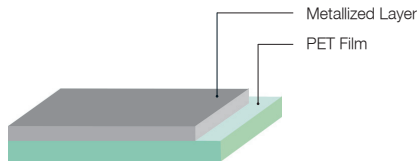


PETLAR PM grade is a Biaxially Oriented Vacuum Metallized Polyester Film with good barrier and high gloss properties. The base film used is plain polyester film with no surface treatment. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR PM grade conforms to EC 10/2011 directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 8 to 50 Micron (32-200 Gauge).



## APPLICATIONS

- Flexible Packaging  
*Printing, Coating, Lamination*
- Flexible Ducting
- Decorative Applications

Properties	Unit	Test Method	Product Code					
			PM0080	PM0100	PM0120	PM0230	PM0360	PM0500
<b>GENERAL</b>								
Nominal Thickness	Micron	SRF Method	8	10	12	23	36	50
	Gauge		32	40	48	92	144	200
Yield	m <sup>2</sup> /kg in <sup>2</sup> /lb	SRF Method	90	71	60	30	20	14.3
			62200	49000	41400	20700	13800	9800
<b>MECHANICAL</b>								
Tensile Strength (min)		ASTM D 882						
MD	kg/cm <sup>2</sup> kpsi		1900	1900	1900	1900	1900	1900
			27	27	27	27	27	27
TD	kg/cm <sup>2</sup> kpsi		1900	1900	1900	1900	1800	1800
			27	27	27	27	26	26
Elongation at Break (min)		ASTM D 882						
MD	%		100	100	100	110	110	110
TD	%		90	90	90	100	100	100
<b>SURFACE</b>								
Coefficient of Friction (base film)		ASTM D 1894						
Static	-		0.55	0.55	0.55	0.50	0.50	0.50
Dynamic	-		0.50	0.50	0.50	0.45	0.45	0.45
Surface Energy (base film)		ASTM D 2578						
Plain Side	Dyne/cm		44	44	44	44	44	44
<b>THERMAL</b>								
Shrinkage (150°C, 30 min)		ASTM D 1204						
MD	%		2.20	2.20	2.20	2.20	2.20	2.20
TD			0.40	0.40	0.40	0.40	0.40	0.40
<b>OPTICAL &amp; BARRIER</b>								
Optical Density	-	SRF Method	2.2	2.2	2.2	2.2	2.2	2.2
WVTR (38°C & 90% RH)	gm/m <sup>2</sup> /day gm/100in <sup>2</sup> /day	ASTM F 1249	<1.5 <0.09	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06
OTR (23°C & 0% RH)	cc/m <sup>2</sup> /day cc/100in <sup>2</sup> /day		ASTM D 3985	<1.5 <0.09	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06

- Notes:
- 1) Metallized side is available wound inside/outside of the roll – customer to specify accordingly.
  - 2) Metallization with plasma treatment for uniform and enhance metal adhesion is available.
  - 3) Optical Density upto 2.5 is available on request.
  - 4) The film has a bond strength of 70gm/25mm (AIMCAL method) between metal and base film.
  - 5) Above properties can be modified to suit customer's requirement.
  - 6) Unless otherwise stated the above values are nominal.

## DISCLAIMER

The information given above is to the best of our knowledge and experience. Some of the properties can be changed as a result of supplier's effort to improve upon the quality of production efficiency of the subject. The information is believed to be the true and accurate and is not intended to violate any statutory condition or right of third party. SRF makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for the readers' consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.