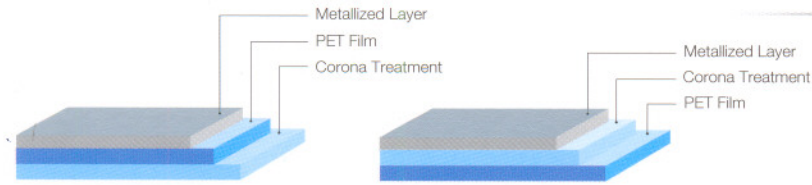


PETLAR PRM grade is a Biaxially Oriented Vacuum Metallized Polyester Film with enhanced barrier and high gloss properties. The base film used is one side corona treated polyester film. Metallization can be done on corona/untreated side of base film. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR PRM 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					
			PRM0080	PRM0100	PRM0120	PRM0230	PRM0360	PRM0500
GENERAL								
Nominal Thickness	Micron	SRF Method	8	10	12	23	36	50
	Gauge		32	40	48	92	144	200
Yield	m ² /kg in ² /lb		90 62200	71 49000	60 41400	30 20700	20 13800	14.3 9800
MECHANICAL								
Tensile Strength (min)		ASTM D 882						
MD	kg/cm ² kpsi		1900 27	1900 27	1900 27	1900 27	1900 27	1900 27
TD	kg/cm ² kpsi		1900 27	1900 27	1900 27	1900 27	1800 26	1800 26
Elongation at Break (min)								
MD	%	ASTM D 882	100	100	100	110	110	110
TD			90	90	90	100	100	100
SURFACE								
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
Corona Side		52+	52+	52+	52+	52+	52+	
THERMAL								
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	
OPTICAL & BARRIER								
Optical Density	-	SRF Method	2.2	2.2	2.2	2.2	2.2	2.2
WVTR (38°C & 90% RH)	gm/m ² /day gm/100in ² /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 ² /day cc/100in ² /day	ASTM D 3985	<1.5 <0.09	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06
OPTICAL & BARRIER								
Optical Density	-	SRF Method	2.5	2.5	2.5	2.5	2.5	2.5
WVTR (38°C & 90% RH)	gm/m ² /day gm/100in ² /day	ASTM F 1249	<1.0 <0.06	<0.7 <0.04	<0.7 <0.04	<0.7 <0.04	<0.7 <0.04	<0.7 <0.04
OTR (23°C & 0% RH)	cc/m ² /day cc/100in ² /day	ASTM D 3985	<1.0 <0.06	<1.0 <0.06	<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) The film has a bond Strength of 100gm/25mm (AIMCAL method) between metal and corona treated side of the base film; 4) Above properties can be modified to suit customer's requirement; 5) 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.