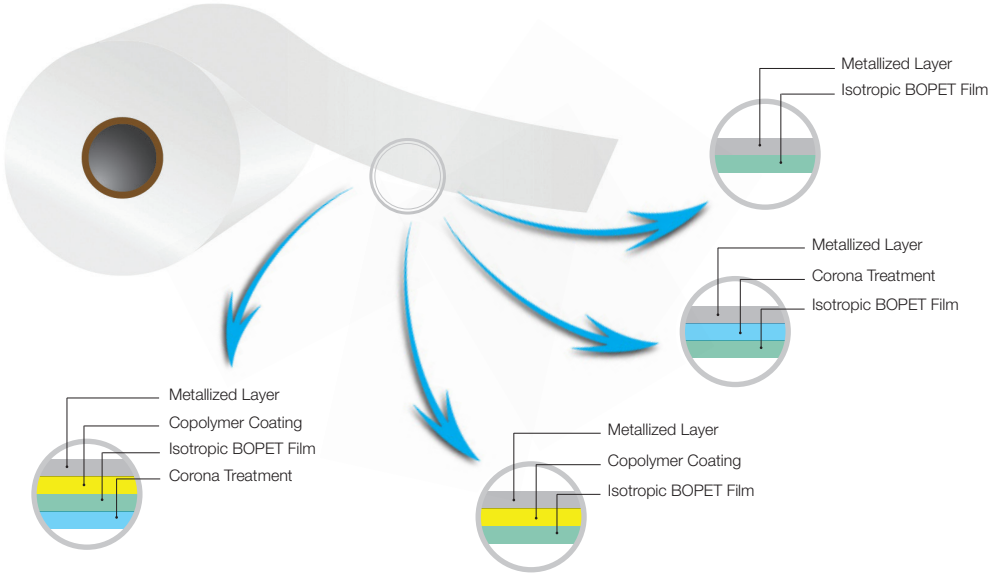
Isotropic Metallized Polyester Film

PETLAR-PIM

PETLAR-PIM grade is a Biaxially Oriented Vacuum Metallised Polyester Film which provides excellent isotropic characterstics, i.e., uniform strength in all directions. The film delivers exellent thermal & dimensional stability. The film surface can be corona treated/chemical coated for better adhesion to printing inks & laminating adhesives.

PETLAR-PIM 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

- Lidding for cups, tubs & trays
  e.g. yogurt, ice cream, beverages

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter

Thickness (Micron)		12	23	36	
Length (Meters)	6000		475	570	Approx Outer Roll Diameter (mm)
	9000		560	700	
	12000		650	795	
	18000	580			
	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	23	36	
Length (Meters)	3000			400	Approx Outer Roll Diameter (mm)
	6000		450		
	9000	400	545		
	12000	455			
	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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Typical values

Properties		Unit	Test Method	Product Code		
				PIM0120	PIM0230	PIM0360
GENERAL						
Nominal Thickness		Micron Gauge	SRF Method	12 48	23 92	36 144
Yield		m^2/kg in^2/lb		60 42200	31 22000	20 14000
MECHANICAL						
Tensile Strength (min)	MD TD +45° -45°	kg/cm^2 (kpsi)	ASTM D 882	2200 (31) 2400 (34) 2200 (31) 2300 (32)	2100 (30) 2300 (32) 2100 (30) 2200 (31)	2000 (29) 2200 (31) 2000 (29) 2100 (30)
	+45°/-45°	Ratio		0.66-1.50	0.66-1.50	0.66-1.50
Elongation at Break (min)	MD TD +45° -45°	%	ASTM D 882	100 90 100 90	100 90 100 90	100 90 100 90
	+45°/-45°	Ratio		0.50-2.00	0.50-2.00	0.50-2.00
THERMAL						
Shrinkage (150°C, 30 min)	MD TD	%	ASTM D 1204	2.2 0.4	2.2 0.4	2.2 0.4
OPTICAL & BARRIER						
Optical Density*		-	SRF Method	2.2	2.2	2.2
WVTR (38°C & 90% RH)		$gm/m^2/day$ $gm/100in^2/day$	ASTM F 1249	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	1.0 0.06	1.0 0.06	1.0 0.06

* 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) Higher Optical Density available on request; 4) Above properties can be modified to suit customer's requirement; 5) Unless otherwise specified, the values given above are nominal.

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