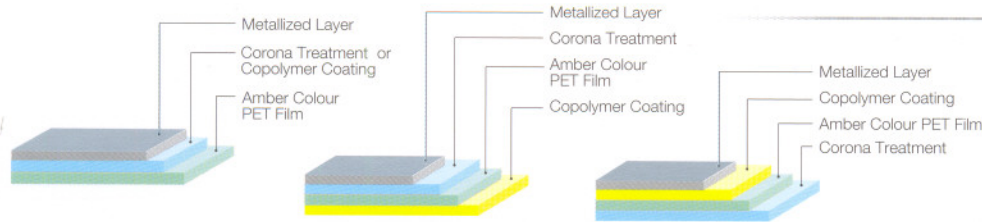


PETLAR YGM grade is a Biaxially Oriented Vacuum Metallized Polyester Film with one side golden appearance using an amber film base film. This film is preferred over lacquer coated metallized polyester film as it provides higher bond strength due to better thermal stability. This film is produced using coloured PET resin, thereby eliminating any possibility of contamination in case of food packaging. This film is available in various variants as illustrated.

PETLAR YGM 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 12 to 23 Micron (48-92 Gauge).



APPLICATIONS

- Flexible Packaging
Printing, Coating, Lamination
- Decorative packaging
- Metallic Yarn

Properties	Unit	Test Method	Product Code			
			YGM0120	YGM0150	YGM0190	YGM0230
GENERAL						
Nominal Thickness	Micron	SRF Method	12	15	19	23
	Gauge		48	60	76	92
Yield	m ² /kg in ² /lb		60 41400	48 33100	38 26200	30 20700
MECHANICAL						
Tensile Strength (min)		ASTM D 882				
MD	kg/cm ² kpsi		1900 27	1900 27	1900 27	1900 27
TD	kg/cm ² kpsi		1900 27	1900 27	1900 27	1900 27
Elongation at Break (min)						
MD	%	ASTM D 882	100	100	100	110
TD	%		90	90	90	100
SURFACE						
Coefficient of Friction (base film)		ASTM D 1894				
Static	-		0.55	0.55	0.55	0.50
Dynamic	-		0.50	0.50	0.50	0.45
Surface Energy (base film)		ASTM D 2578				
Copolymer Side	Dyne/cm		58+	58+	58+	58+
Plain Side			44	44	44	44
Corona Side			52+	52+	52+	52+
THERMAL						
Shrinkage (150°C, 30 min)		ASTM D 1204				
MD	%		2.2	2.2	2.2	2.2
TD			0.6	0.6	0.6	0.6
OPTICAL & BARRIER						
b-value	-	SRF Method	26-30	26-30	26-30	26-30
Optical Density	-		2.2	2.2	2.2	2.2
WVTR (38°C & 90% RH)	gm/m ² /day gm/100in ² /day	ASTM F 1249	<1.0 <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	<1.0 <0.06	<1.0 <0.06	<1.0 <0.06

- Notes:
- 1) Corona/Chemical 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) Higher Optical Density available on request.
 - 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.



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