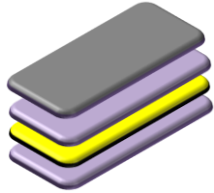




TECHNICAL DATA SHEET

GOLD METALLIZED POLYESTER FILM

IMP223



Aluminum Metallized Layer
 Metallizable PET Surface Layer
 Golden Yellow PET core
 PET surface Layer

Gold metallized PET film, suitable for use in flexible packaging, decorative and industrial applications. IMP223 is gold one side, silver on the reverse side and shows good thermal, mechanical and surface properties together with excellent dimensional stability and barrier properties.

PRODUCT FEATURES

- Superior flex crack resistance
- High barrier to oxygen and moisture
- Excellent surface gloss and color consistency
- Suitable for laminated applications
- Complies with all US FDA requirements for food packaging

APPLICATIONS

- Suitable for a variety of packaging and decorative applications
- Commonly used in the manufacture of survival blankets and in other industrial applications
- Suitable for lamination to paper and board for food and industrial applications

PROPERTIES		TEST METHOD	UNITS	IMP223
GENERAL				
Base Web Thickness		Internal	ga	48
Yield		ASTM D1505	lb/ream	10.3
		Internal	in ² /lb	41850
Treatment Level	Metal side	ASTM D2578	dynes/cm	56
Optical Density		Internal		2.2
Coefficient of Friction (CoF)	A-B	ASTM D-1894	Static	0.50
	A-B		Kinetic	0.45
MECHANICAL				
Tensile Strength (minimum at break)	MD	ASTM D-882	psi	28400
	TD	ASTM D-882	psi	29500
Elongation to Break (minimum at break)	MD	ASTM D-882	%	100
	TD	ASTM D-882	%	90
THERMAL				
Max. Shrinkage (300°F/30 min)	MD	ASTM D-1204	%	2.5
	TD	ASTM D-1204	%	0.4
BARRIER				
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM F1249	g/100in ² /24h	0.05
Oxygen Transmission Rate	(73°F/65% RH)	ASTM D3985	cc/100in ² /24h	0.06

Guidelines for storage

Temperature should be less than 86°F and humidity 55±5% in storage areas. Material should be consumed within 6 months of receipt. Allow film to reach operating room temperature 24h before use.

FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative

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