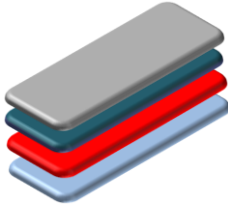




TECHNICAL DATA SHEET

METALLIZED HIGH BARRIER PET FILM

IMP221



Vacuum applied aluminum layer
Treated non-sealing polyester side
Transparent polyester core
Non-treated, non-sealing polyester side

IMP221 is a biaxially oriented polyester film with a metallized layer applied to the treated non-sealing surface. IMP221 has good oxygen barrier and moisture barrier properties and is suitable for use primarily in paperboard and a wide variety of packaging applications.

PRODUCT FEATURES

- Suitable for dry laminations to other flexible materials
- Excellent gloss and optical density

APPLICATIONS

- Printed application for paperboard
- Applications requiring good barrier
- Not suitable for applications where high metal bond strength is required

PROPERTIES	TEST METHOD	UNITS	IMP221	
GENERAL				
Thickness*	Internal	ga	48	
Density	Internal	g/cm ³	1.40	
Yield	Internal	lb/ream	10.3	
	Internal	in ² /lb	41800	
Treatment	Metal side	ASTM D-2578	60	
OPTICAL				
Optical Density	Internal		2.2	
MECHANICAL				
Tensile Strength	MD	ASTM D-882	psi	28800
	TD	ASTM D-882	psi	31300
Elongation to Break	MD	ASTM D-882	%	100
	TD	ASTM D-882	%	100
Shrinkage 300°F / 30 min	MD	ASTM D-1204	%	2.0
	TD	ASTM D1204	%	0.4
Metal Bond Strength		Internal	gf/in	200
Coefficient of Friction	Static	ASTM D-1894		0.60
	Dynamic	ASTM D-1894		0.55
BARRIER				
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E96	g/100in ² /24h	<0.06
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	<0.06

* Thicker materials may be available on request

Guidelines for storage

IMP221 should be stored at below 105°F in its original wrapping and away from sources of direct sunlight.

Printing & Lamination

Consult with your ink and adhesive suppliers for appropriate materials for use with this product.

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

Information in this publication refers to average values of laboratory tests on samples from standard production. It is believed to be accurate and is given in good faith, but it is for the customer to satisfy the suitability for its own particular purpose. Accordingly, Impak Films gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. This document is not a product specification. Impak Films reserves the right to change the data sheet at any time without prior notification.

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