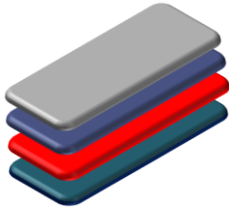




TECHNICAL DATA SHEET

TWO SIDE TREATED METALLIZED PET FILM

IMP227



- Vacuum applied aluminum layer
- Metal adhesion copolymer layer
- Transparent polyester core
- Corona treated non-sealing polyester side

IMP227 is a biaxially oriented polyester film with metal on copolymer side. It has good oxygen and moisture barrier properties and is suitable for use in a wide variety of printed and laminated packaging applications.

PRODUCT FEATURES

- Suitable for printing and lamination on the metallized side
- Designed to give good metal bond strength to copolymer layer
- Suitable for dry laminations to other flexible materials
- Excellent gloss and optical density
- Excellent barrier properties

APPLICATIONS

- Printed, laminated rewinds, pouches, sachets and bags
- Applications in fresh and dried foods
- Snack foods and other flexible laminates

PROPERTIES	TEST METHOD	UNITS	IMP227	
GENERAL				
Thickness*	Internal	ga	48	
Density	Internal	g/cm ³	1.40	
Yield	Internal	lb/ream	10.3	
	Internal	in ² /lb	41850	
Treatment	Metal side	ASTM D-2578	dyne/cm	60
OPTICAL				
Optical Density	Internal		>3.0	
MECHANICAL				
Tensile Strength	MD	ASTM D-882	psi	29000
	TD	ASTM D-882	psi	30500
Elongation to Break	MD	ASTM D-882	%	100
	TD	ASTM D-882	%	100
Shrinkage 300°F / 30 min	MD	ASTM D-1204	%	2.2
	TD	ASTM D1204	%	0.06
Metal Bond Strength		Internal	gf/in	650
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	<0.02
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	<0.03

* Thicker materials may be available on request

Guidelines for storage

IMP227 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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