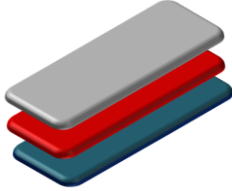




TECHNICAL DATA SHEET

METALLIZED CHEMICAL TREATED PET FILM FOR IMPROVED PE ADHESION

IMP220



Vacuum applied aluminum layer
Chemical treated high metal adhesion layer
Transparent polyester core

IMP220 is a biaxially oriented polyester film, one side chemically treated then metallized, which is ideal for use in extrusion lamination applications where a high bond to PE is required without the use of a primer.

PRODUCT FEATURES

- Suitable for printing on the metallized side
- Designed to give high bond strength to polyethylene on the metallized side without primer in extrusion lamination applications.
- Suitable for dry laminations to polyethylene and other flexible materials
- Available with a range of barrier values

APPLICATIONS

- Printed extrusion laminated rewinds
- Snack foods and other high barrier flexible laminates

PROPERTIES	TEST METHOD	UNITS	IMP220	IMP220	IMP220	IMP220	IMP220	IMP220	
GENERAL									
Thickness	Internal	ga	40	48	60	74	92	144	
Density	Internal	g/cm ³	1.40						
Yield	Internal	lb/ream	8.6	10.3	12.9	16.3	19.8	31.0	
	Internal	in ² /lb	50200	41850	33500	26400	21800	14000	
Treatment	Metal side	ASTM D-2578	60						
MECHANICAL									
Tensile Strength	MD	ASTM D-882	psi	28800	28800	28800	29800	29800	28400
	TD	ASTM D-882	psi	31300	31300	31300	31300	31300	29800
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			600			
Coefficient of Friction	Static	ASTM D-1894	0.60						
	Dynamic	ASTM D-1894	0.55						
BARRIER									
Optical Density		Internal				2.2	2.5	2.8	3.0
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E96	g/100in ² /24h			0.060	0.042	0.030	0.018
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h			0.060	0.050	0.040	0.025

Guidelines for storage

IMP220 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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