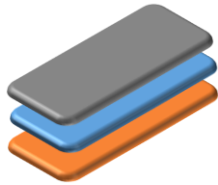




TECHNICAL DATA SHEET

HIGH BARRIER, HEAT SEALABLE METALLIZED BOPP

IMP127



Very high barrier metallized surface layer
OPP Core
Heat sealable layer

High barrier, metallized BOPP film heat sealable, is suitable for surface print or lamination applications. The non-metallized side is heat sealable.

PRODUCT FEATURES

- Very high barrier to moisture and oxygen
- Excellent metal adhesion
- Good seal strength
- Food contact suitable
- Excellent print receptivity

APPLICATIONS

- Suitable for print and lamination applications
- Suitable for applications requiring exceptional barrier particularly snack foods.
- Compatible with most print, ink and adhesive systems
- Suitable for HFFS, VFFS and bag or pouchmaking applications

PROPERTIES	TEST METHOD	UNITS	IMP127	IMP127
GENERAL				
Thickness	Internal	ga	72	80
Yield	ASTM D-1505	lb/ream	10.1	11.2
	Internal	in ² /lb	42900	38600
SURFACE				
Wetting Tension	ASTM D-2578	dynes/cm	≥ 38*	
COF	Seal side	ASTM D-1894	Film-Film	≤ 0.50
MECHANICAL				
Tensile Strength (at break)	MD	ASTM D-882	psi	> 17400
	TD	ASTM D-882	psi	> 14400
Elongation to Break	MD	ASTM D-882	%	< 180
	TD	ASTM D-882	%	< 65
THERMAL				
Heat seal range			°F	240 - 290
Seal Strength	QB/T2358		g/inch	>420
Shrinkage (250°F/2 min)	MD	Internal	%	≤ 4.0
	TD	Internal	%	≤ 2.0
BARRIER				
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM F1249	g/100in ² /24h	≤ 0.01
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	≤ 0.97

* for up to 6 months from manufacture

Guidelines for storage

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

Guidelines for printing

IMP127 is suitable for printing directly onto the metal surface of the film however best results are obtained by using a suitable primer before printing. Your ink consultant should be contacted for advise on printing this material.

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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