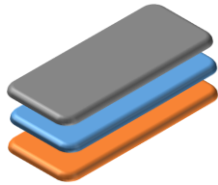




TECHNICAL DATA SHEET

HIGH BARRIER HEAT SEALABLE METALLIZED BOPP

IMP124



High barrier metallized surface layer
OPP Core
Low seal temperature heat seal layer

High barrier heat sealable metallized BOPP film suitable for surface print or lamination applications. The non-metallized side is heat sealable with very good hot tack.

PRODUCT FEATURES

- High barrier to moisture and oxygen
- Good hot tack
- Excellent metal adhesion
- Food contact suitable
- Excellent print receptivity

APPLICATIONS

- Suitable for print and lamination applications
- Suitable for heat seal applications requiring good heat seal and hot tack properties
- Suitable for HFFS, VFFS and bag or pouch making applications
- Compatible with most print, ink and adhesive systems.
- Suitable for products requiring high barrier such as snack foods

PROPERTIES	TEST METHOD	UNITS	IMP124	
GENERAL				
Thickness	Internal	ga	72	
Yield	ASTM D-1505	lb/ream	10.1	
	Internal	in ² /lb	42900	
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	> 17300
	TD	ASTM D-882	psi	> 14400
Elongation to Break	MD	ASTM D-882	%	< 180
	TD	ASTM D-882	%	< 65
THERMAL				
Heat seal range			°F	190 - 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	≤ 0.02
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	≤ 1.60

* 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

IMP124 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.

IMPAK FILMS AUSTRALIA (www.impakfilms.com.au)
ABN: 42 586 823 597 Address: Unit 1, 15-21 Butler Way, (P.O. Box 1114), Tullamarine Vic. 3043, Australia Telephone: +61 3 9310 5540 Facsimile: +61 3 9310 5590

IMPAK FILMS USA (www.impakfilms.com)
Address: 2300 Lake Park Drive, Suite 270, Smyrna, Georgia 30080, USA Telephone: +1 678 384 5520 Facsimile: +1 678 384 5543