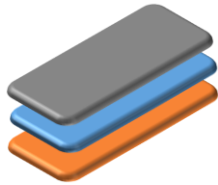




**TECHNICAL DATA SHEET**

**STANDARD BARRIER, ONE SIDE SEALABLE, METALLIZED BOPP**

**IMP120**



Metallized surface layer  
OPP Core  
Heat seal layer

Standard barrier, metallized BOPP film suitable for surface print or lamination applications. The non-metallized side is heat sealable and suitable for cold seal application. IMP120 is designed for use in laminate and single web structures.

**PRODUCT FEATURES**

- Standard barrier to moisture and oxygen
- Excellent metal adhesion
- High seal strength
- Food contact suitable

**APPLICATIONS**

- Suitable for print and lamination applications
- Suitable for heat seal or cold seal applications
- Suitable for HFFS, VFFS and bag or pouchmaking applications
- Compatible with most print, ink and adhesive systems.
- Suitable for products requiring standard barrier or decorative metallization

PROPERTIES	TEST METHOD	UNITS	IMP120	IMP120	IMP120	IMP120	IMP120	IMP120
<b>GENERAL</b>								
Thickness	Internal	ga	58	71	100	110	118	138
Yield	ASTM D-1505	lb/ream	8.4	10.1	14.0	15.7	16.8	19.6
	Internal	in <sup>2</sup> /lb	51500	42900	30900	27600	25700	22000
<b>SURFACE</b>								
Wetting Tension	ASTM D-2578	dynes/cm	≥ 38*					
COF	Seal side	ASTM D-1894	Film-Film	≤ 0.50				
<b>MECHANICAL</b>								
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	%	< 70				
<b>THERMAL</b>								
Heat seal range		QB/T2358	°F	240 - 290				
Seal Strength			g/inch	500				
Shrinkage (250°F/2 min)	MD	Internal	%	≤ 4.0				
	TD	Internal	%	≤ 2.0				
<b>BARRIER</b>								
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM F1249	g/100in <sup>2</sup> /24h	< 0.05				
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/m <sup>2</sup> /24h	< 6.5				

\* 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**

IMP120 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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