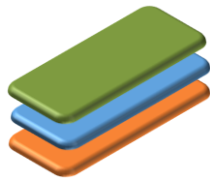




**PRODUCT DATA SHEET**

**ONE SIDE HEAT SEALABLE, PRINTABLE BOPP FILM**

**IMP102**



Non-heat seal printable treated layer  
OPP Core  
Heat seal layer

One side corona treated, one side heat sealable BOPP film designed for use in laminate and single web structures. Non-heat seal side is print receptive to standard inks.

**PRODUCT FEATURES**

- Good ink adhesion on the treated surface
- Outstanding clarity and gloss
- High seal strength
- Good antistatic and slip properties

**APPLICATIONS**

- Suitable for heat sealable laminations as the top or bottom web
- Suitable for single web applications with back fin seal and in overwrap applications
- Suitable for HFFS and VFFS packaging styles

PROPERTIES	TEST METHOD	UNITS	IMP102	IMP102	IMP102	IMP102	IMP102	
<b>GENERAL</b>								
Thickness	Internal	ga	71	80	100	118	157	
Yield	ASTM D-1505	lb/ream	10.1	11.2	14.0	16.8	22.4	
	Internal	in <sup>2</sup> /lb	42900	38600	30900	25700	19300	
<b>OPTICAL</b>								
Haze	ASTM D-1003	%				≤ 1.7		
Gloss	ASTM D-2457	@60°C				> 90		
<b>SURFACE</b>								
Wetting Tension	ASTM D-2578	dynes/cm				≥ 38*		
COF	Both sides	ASTM D-1894	Film-Film				≤ 0.40	
<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	0.61	0.55	0.48	0.39	0.32

\* for up to 12 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 receipt. Allow film to reach operating room temperature 24h before use.

**Guidelines for printing**

The print surface of IMP102 is treatment; however, treatment levels will degrade with time. We suggest boost treatment is used with this material to achieve better ink anchorage. Your ink supplier or consultant should be contacted for advise on suitable ink systems.

*FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative*

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