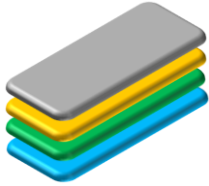




TECHNICAL DATA SHEET

METALLISED, HEAT SEALABLE CAST POLYPROPYLENE FILM

IMP320



High metal adhesion metallized layer
Corona treated surface layer
Transparent CPP core
High seal strength layer

One side metallized, one side heat sealable Cast Polypropylene film suitable for lamination to OPP, Nylon and PET films in dry lamination. IMP320 features good moisture and oxygen barrier, excellent metal adhesion and luster properties, superior sealing strength and high lamination bond strength in laminate structures.

PRODUCT FEATURES

- One side corona treated for lamination applications
- High metal adhesion
- Good moisture and oxygen barrier
- Excellent heat seal strength
- Good resistance to fats, oil and grease
- Good UV light barrier

APPLICATIONS

- Laminations requiring a high heat seal strength
- Laminations requiring standard barrier properties
- Products requiring a barrier and heat seal web
- Confectionary and related packages
- General food applications

PROPERTIES	TEST METHOD	UNITS	IMP320	IMP320	IMP320	IMP320	
GENERAL							
Base Web Thickness	Internal	ga	100	120	140	160	
Yield	ASTM D1505	lb/ream	14.0	16.8	19.6	22.4	
	Internal	in ² /lb	30900	25700	22100	19300	
Treatment Level	Corona	ASTM D-2578	38	38	38	38	
Coefficient of Friction (CoF)	ASTM D-1894	Film - Film	0.50 - 0.80	0.50 - 0.80	0.50 - 0.80	0.50 - 0.80	
MECHANICAL							
Tensile Strength (at break)	MD	ASTM D-882	psi	>5800	>5800	>5800	>5800
	TD	ASTM D-882	psi	>2900	>2900	>2900	>2900
Elongation to Break	MD	ASTM D-882	%	>500	>500	>500	>500
	TD	ASTM D-882	%	>500	>500	>500	>500
THERMAL							
Heat Seal Range			*F	245 - 290	245 - 290	245 - 290	245 - 290
Heat Seal Strength	265°F/14psi/1sec		g/inch	>650	>650	>650	>650
Shrinkage (250°F/15 min)	MD	Internal	%	<1.0	<1.0	<1.0	<1.0
	TD	Internal	%	<1.0	<1.0	<1.0	<1.0
BARRIER							
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E1249	g/100in ² /24h	0.06	0.06	0.06	0.06
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	7.0	7.0	7.0	7.0

Guidelines for storage

Temperature should be less than 86°F and humidity 55±5% in storage areas. Material should be consumed within 3 months of receipt. Allow film to reach operating room temperature 24h before use.

Printing & Lamination

Material is suitable for printing and lamination on the corona treated side of the material only. In-line corona boost treatment can be used if required. Further information is available from your Impak Films USA LLC representative.

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

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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: 2727 Paces Ferry Road, Suite 1650 Building One, Atlanta, Georgia 30339, USA Telephone: +1 866 606 7896 Facsimile: +1 678 384 5543