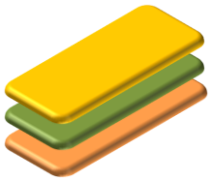
IMPAK FILMS US, LLC

TECHNICAL DATA SHEET

HEAT SEALABLE, HIGH IMPACT CPP FILM

IMP303



Corona treated surface layer
Impact modified transparent core
Heat sealable layer

One side treated, one side heat sealable Cast Polypropylene film with increased impact resistance at low temperatures, suitable for lamination to OPP, Nylon and PET films in dry and extrusion lamination processes. IMP303 has excellent clarity and gloss and imparts superior sealing strength, good moisture barrier and high lamination bond strength to laminate structures. IMP303 can be used in single web applications and is ideal for use in low temperature environments

PRODUCT FEATURES

- One side corona treated for print and lamination uses
- Good moisture barrier
- High clarity and gloss
- Excellent heat seal strength
- Excellent impact strength, especially at low temperatures
- High burst strength

APPLICATIONS

- Laminations requiring a high heat seal strength
- Ideal for chilled and frozen applications needing impact strength
- Products requiring a very high degree of puncture resistance
- General food applications

PROPERTIES		TEST METHOD	UNITS	IMP303	IMP303	IMP303	IMP303
GENERAL							
Base Web Thickness		Internal	ga	100	120	160	200
Yield		ASTM D1505	lb/ream	14.0	16.8	22.4	28.0
		Internal	in²/lb	30900	25700	19300	15500
Treatment Level	Corona	ASTM D-2578	dyne/cm	38	38	38	38
Coefficient of Friction (CoF)		ASTM D-1894	Film - Film	<0.40	< 0.40	< 0.40	<0.40
Haze		ASTM D-1003	%	<2.5	<3.0	<3.5	<4.0
Gloss	45° angle	ASTM D-2475		>80	>80	>80	>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/100in²/24h	0.88	0.78	0.65	0.56
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in²/24h	270	235	195	175

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

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