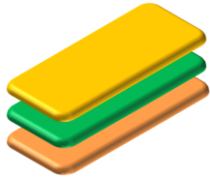




**TECHNICAL DATA SHEET**

**HEAT SEALABLE, ANTIFOG CPP FILM**

**IMP302**



Corona treated surface layer  
Transparent CPP core  
Heat sealable antifog layer

One side treated, one side heat sealable Cast Polypropylene film with antifog, suitable for lamination to OPP, Nylon and PET films in dry and extrusion lamination processes. IMP302 has excellent clarity and gloss and imparts superior sealing strength, good moisture barrier and high lamination bond strength to laminate structures. IMP302 can be used in single web applications and 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
- Antifog functionality

**APPLICATIONS**

- Laminations requiring a high heat seal strength
- Fresh produce packaging, wicketed bags and produce sleeves
- Suitable for chilled and frozen applications
- Products requiring a very high degree of puncture resistance
- General food applications

PROPERTIES	TEST METHOD	UNITS	IMP302	IMP302	IMP302	IMP302	IMP302
<b>GENERAL</b>							
Base Web Thickness	Internal	ga	100	120	160	200	240
Yield	ASTM D1505	lb/ream	14.0	16.8	22.4	28.0	33.6
	Internal	in <sup>2</sup> /lb	30900	25700	19300	15500	12900
Treatment Level	Corona	ASTM D-2578	38	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
<b>MECHANICAL</b>							
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
<b>THERMAL</b>							
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
<b>BARRIER</b>							
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E1249	g/100in <sup>2</sup> /24h	0.88	0.78	0.65	0.56
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in <sup>2</sup> /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*

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