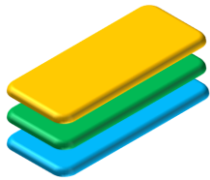




**TECHNICAL DATA SHEET**

**TRANSPARENT CAST POLYPROPYLENE FILM**

**IMP301**



Corona treated surface layer  
Transparent CPP core  
Heat sealable layer, untreated

One side treated, one side heat sealable Cast Polypropylene film suitable for lamination to OPP, Nylon and PET films in dry and extrusion lamination processes. IMP301 has excellent clarity and gloss and imparts superior sealing strength, good moisture barrier and high lamination bond strength to laminate structures. IMP301 may also be used for single web applications and is suitable 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 coating adhesion

**APPLICATIONS**

- Laminations requiring a high heat seal strength
- Suitable for chilled and frozen applications
- Magazine overwrap
- Products requiring a high degree of puncture resistance (eg: pasta)
- Confectionary and other hang sell bags
- General food applications

PROPERTIES	TEST METHOD	UNITS	IMP301	IMP301	IMP301	IMP301	IMP301	IMP301
<b>GENERAL</b>								
Base Web Thickness	Internal	ga	80	100	120	140	160	200
	ASTM D1505	lb/ream	11.2	14.0	16.8	19.6	22.4	28.0
Yield	Internal	in <sup>2</sup> /lb	38600	30900	25700	22100	19300	15500
Treatment Level	Corona	ASTM D-2578	38	38	38	38	38	38
Coefficient of Friction (CoF)	ASTM D-1894	Film - Film	< 0.40	<0.40	< 0.40	<0.40	< 0.40	<0.40
Haze	ASTM D-1003	%	<2.5	<2.5	<3.0	<3.0	<3.5	<4.0
Gloss	45° angle	ASTM D-2475	>80	>80	>80	>80	>80	>80
<b>MECHANICAL</b>								
Tensile Strength (at break)	MD	ASTM D-882	psi	>5800	>5800	>5800	>5800	>5800
	TD	ASTM D-882	psi	>2900	>2900	>2900	>2900	>2900
Elongation to Break	MD	ASTM D-882	%	>500	>500	>500	>500	>500
	TD	ASTM D-882	%	>500	>500	>500	>500	>500
<b>THERMAL</b>								
Heat Seal Range			°F	245 - 290	245 - 290	245 - 290	245 - 290	245 - 290
Heat Seal Strength	265°F/14psi/1sec		g/inch	>650	>650	>650	>650	>650
Shrinkage (250°F/15 min)	MD	Internal	%	<1.0	<1.0	<1.0	<1.0	<1.0
	TD	Internal	%	<1.0	<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	0.49
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in <sup>2</sup> /24h	270.0	235.0	195.0	175.0	160.0

**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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