IMPAK FILMS US, LLC

TECHNICAL DATA SHEET

HEAT SEALABLE, ANTIFOG BOPP FILM

IMP802

Corona treated heat sealable layer
Modified transparent inner skin
Transparent OPP core
Modified transparent inner skin
High heat seal strength / high hot tack antifog skin layer

One side treated, both sides heat sealable Biaxially Oriented Polypropylene (BOPP) film with antifog. IMP802 has excellent clarity and gloss and imparts superior sealing strength and hot tack, good moisture barrier and excellent antifog properties in hot and cold conditions. Specially designed for fresh produce applications, IMP802 can be used in surface printed, single web applications or in laminations with an external print web.

PRODUCT FEATURES

- Excellent antifog properties in hot/cold fog situations
- Superior seal strength and hot tack properties
- High performance slip properties for high speed HFFS and VFFS use
- One side corona treated for print and lamination uses
- Good moisture barrier

APPLICATIONS

- Primarily designed for fresh produce packaging
- Use in cold or elevated temperature applications
- Bag or tray overwrap
- Superior performance in macro perforated applications

PROPERTIES		TEST METHOD	UNITS	IMP802	IMP802	IMP802	IMP802	IMP802
GENERAL								
Base Web Thickness		ASTM D-374	ga	80	100	120	140	160
Yield		ASTM D1505	lb/ream	11.2	14.0	16.8	19.6	22.4
		Internal	in^2/lb	38600	30900	25800	22100	19300
Treatment Level	Corona	ASTM D-2578	dyne/cm	40	40	40	40	40
Coefficient of Friction (CoF)		ASTM D-1894	Film - Film	<0.38	<0.38	<0.38	<0.38	<0.38
Haze		ASTM D-1003	%	<2.5	<2.5	<2.5	<2.5	<2.5
Gloss	45° angle	ASTM D-2457		>90	>90	>90	>90	>90
MECHANICAL								
Tensile Strength (at break)	MD	ASTM D-882	psi	>19900	>19900	>21300	>21300	>21300
	TD	ASTM D-882	psi	>41200	>41200	>42700	>42700	>42700
Elongation to Break	MD	ASTM D-882	%	160	160	150	150	150
	TD	ASTM D-882	%	60	60	50	50	50
THERMAL								
Heat Seal Range			°F	220 - 290	220 - 290	220 - 290	220 - 290	220 - 290
Heat Seal Strength	250°F/28psi/1sec		g/in	>1200	>1200	>1200	>1200	>1200
Hot Tack	250°F/28psi/0.5sec		g/in	>720	>720	>720	>720	>720
Shrinkage (250°F/15 min)	MD	Internal	%	<3.5	<3.5	<3.5	<3.5	<3.5
	TD	Internal	%	<1.5	<1.5	<1.5	<1.5	<1.5
BARRIER								
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E1249	$g/100in^2/24h$	0.39	0.32	0.26	0.19	0.16
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	$cc/100in^2/24h$	116	110	103	97	90

Guidelines for storage

Temperature should be less than 86°F and humidity 55±5% in storage areas. Material should be consumed within 6 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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