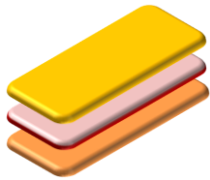




TECHNICAL DATA SHEET

HIGH RETORT GRADE WHITE OPAQUE CPP FILM

IMP312



Corona treated surface layer
Modified white CPP core
Heat sealable layer

Modified coextruded white opaque cast polypropylene with one side treated and one side heat sealable for retort applications. The material is suitable for lamination to other retort grade films such as Nylon and PET in dry lamination processes. IMP312 has good heat resistance in conditions up to 285°F. With good moisture barrier, high hot tack, high whiteness and opacity and superior sealing strength, IMP312 is suitable for a variety of hot fill and heat treated applications

PRODUCT FEATURES

- High heat resistance to 285°F
- One side corona treated for laminated applications
- Good moisture barrier
- Excellent heat seal strength and hot tack

APPLICATIONS

- Retort packaging to 285°F
- Sterilization and pasteurization applications in container
- Hot fill to 280°F
- Heat treated ready to eat meals and foods

PROPERTIES	TEST METHOD	UNITS	IMP312	IMP312	IMP312	IMP312	IMP312	
GENERAL								
Base Web Thickness	Internal	ga	160	200	240	280	320	
Yield	ASTM D1505	lb/ream	22.4	28.0	33.6	39.1	44.7	
	Internal	in ² /lb	19300	15500	12900	11000	9700	
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	<0.40	
MECHANICAL								
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
THERMAL								
Heat Seal Range			°F	300 - 330	300 - 330	300 - 330	300 - 330	300 - 330
Heat Seal Strength	320°F/14psi/1sec		g/inch	>1500	>1500	>1500	>1500	>1500
Shrinkage (320°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
BARRIER								
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E1249	g/100in ² /24h	0.54	0.46	0.39	0.33	0.29
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	140	120	100	85	75

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 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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