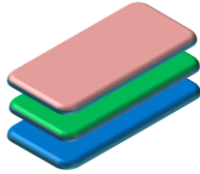




TECHNICAL DATA SHEET

ONE SIDE TREATED, ONE SIDE HEAT SEALABLE PET FILM

IMP251



Corona treated surface layer
Transparent PET core
Heat sealable PET surface

Biaxially oriented transparent polyester film, treated for printing, laminating or metallizing on one side and heat sealable on the other side. IMP251 is suitable for use as a single web in heat sealable lidding applications or in fresh, frozen or refrigerated packaging, bakery products and industrial applications.

PRODUCT FEATURES

- Printable and laminatable on both sides
- Wide sealing range from 240-375°F
- High seal strength (weld seal)
- Good seal through contamination properties

APPLICATIONS

- Suitable for heat sealed lidding applications
- Fresh, frozen (to -100°F) or refrigerated applications
- Bakery applications
- Various industrial applications
- Suitable for pasteurization, sterilization and retort applications

PROPERTIES	TEST METHOD	UNITS	IMP251	IMP251	IMP251	IMP251
GENERAL						
Thickness	Internal	ga	80	100	120	160
Yield	ASTM D-1505	lb/ream	17.2	21.5	25.8	34.4
	Internal	in ² /lb	25100	20100	16700	12500
OPTICAL						
Haze	ASTM D-1003	%	5	5	5	5
Gloss	ASTM D-2457	@45°C	120	120	120	120
SURFACE						
Wetting Tension	Corona side	ASTM D-2578	dy/cm	> 50	>50	> 50
COF	Tr / Untr	ASTM D-1894		0.25 - 0.45	0.25 - 0.45	0.25 - 0.45
MECHANICAL						
Tensile Strength (at break)	MD	ASTM D-882	psi	18700	18700	18700
	TD	ASTM D-882	psi	21600	21600	21600
Elongation to Break	MD	ASTM D-882	%	100	100	100
	TD	ASTM D-882	%	90	90	90
THERMAL						
Sealing Temperature Range			°F	240 - 375	240 - 375	240 - 375
Seal Strength			gf/in	340	340	340
Shrinkage (300°F/30 min)	MD	Internal	%	< 3.0	< 3.0	< 3.0
	TD	Internal	%	< 0.7	< 0.7	< 0.7
BARRIER						
Water Vapor Transmission Rate	100°F/90% RH	ISO 15106-3	g/100in ² /24h	1.87	1.68	1.29
Oxygen Transmission Rate	73°C/0% RH	ASTM D3985	cc/100in ² /24h	5.42	5.16	4.39

Guidelines for storage

Temperature should be < 85°F and humidity 55±5% in storage areas and material should be consumed within 6 months of receipt. Allow film to reach operating room temperature 24h before use.

FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative

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