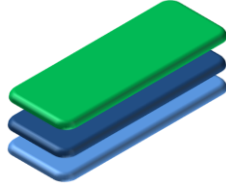




TECHNICAL DATA SHEET

HIGH HEAT SEAL STRENGTH, ONE SIDE CORONA TREATED PET FILM

IMP231



Corona treated polyester layer
Transparent polyester core
High strength heat sealable polyester copolymer layer

Transparent, co-extruded biaxially oriented polyester film, one side corona treated, one side heat sealable resulting in very high strength seals. The heat seal layer is designed to seal to itself, APET, CPET and PVC in flexible packaging applications.

PRODUCT FEATURES

- Excellent printability and lamination on the corona side
- Very high heat seal strength
- Sealable to IMP231, APET, CPET and PVC materials
- Excellent gloss and transparency
- Good machinability for use in HFFS and VFFS processes

APPLICATIONS

- Heat sealable printed laminated rewinds
- Fresh and dried foods
- Suitable for use in hot fill and heated product applications

PROPERTIES	TEST METHOD	UNITS	IMP231	IMP231	IMP231	IMP231	IMP231	IMP231	
GENERAL									
Thickness*	Internal	ga	48	60	80	92	120	144	
Density	Internal	g/cm ³	1.40						
Yield	Internal	lb/ream	10.3	12.9	17.2	19.8	25.8	31.0	
	Internal	in ² /lb	41850	33500	25100	21800	16700	14000	
Treatment	Corona side	ASTM D-2578				56			
	Sealable side	ASTM D-2578				48			
OPTICAL									
Haze	max	ASTM D-1003	%	3.5	3.5	3.5	4.0	4.5	4.5
MECHANICAL									
Tensile Strength	MD	ASTM D-882	psi	25600	25500	24100	24100	24100	24100
	TD	ASTM D-882	psi	2000	2000	1900	1900	1900	1900
Elongation to Break	MD	ASTM D-882	%	100					
	TD	ASTM D-882	%	100					
Seal Strength 250°F/2sec/42psi	Film/Film	Internal	g/in	600	600	800	1000	1200	1200
Shrinkage 300°F / 30 min	MD	ASTM D-1204	%	2.0					
	TD	ASTM D1204	%	0.4					
Coefficient of Friction	Static	ASTM D-1894		0.60	0.60	0.55	0.55	0.55	0.55
	Dynamic	ASTM D-1894		0.55	0.55	0.50	0.50	0.50	0.50
BARRIER									
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E96	g/100in ² /24h	2.58	2.25	1.68	1.68	1.29	1.00
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	6.50	6.10	5.20	5.20	4.50	3.20

* Thicker materials may be available on request

Guidelines for storage

IMP231 should be stored at below 105°F in its original wrapping and away from sources of direct sunlight.

Printing & Lamination

Consult with your ink and adhesive suppliers for appropriate materials for use with this product.

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

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