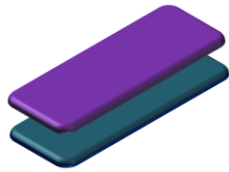




TECHNICAL DATA SHEET

ONE SIDE CORONA TREATED PET FILM

IMP201



Corona treated Polyester layer

Transparent polyester core

Transparent biaxially oriented polyester film, one side corona treated, suitable for metallizing, printing and lamination applications. IMP201 has good wettability and excellent machineability. IMP201 is suitable for lamination to a variety of substrates for sealing applications.

PRODUCT FEATURES

- Suitable for vacuum metallizing process
- Good wettability for use in print and lamination applications
- Excellent gloss and transparency
- Excellent machinability for use in HFFS and VFFS processes

APPLICATIONS

- Printed laminated rewinds, pouches, sachets and bags
- Fresh and dried foods
- Suitable for use in hot fill applications and retort packaging
- High barrier after vacuum metallizing

PROPERTIES			TEST METHOD	UNITS	IMP201	IMP201	IMP201	IMP201	IMP201	IMP201	IMP201	IMP201
GENERAL												
Thickness		Internal	ga	40	48	60	74	92	120	144	200	
Density		Internal	g/cm ³					1.40				
Yield		Internal	lb/ream	8.6	10.3	12.9	16.3	19.8	25.8	31.0	43.0	
		Internal	in ² /lb	50200	41850	33500	26400	21800	16700	14000	10100	
Treatment	Corona side	ASTM D-2578	dynes/cm					56				
	Plain side	ASTM D-2578	dynes/cm					42				
OPTICAL												
Haze	max	ASTM D-1003	%	3.0	3.5	3.5	3.5	4.0	4.0	4.5	5.0	
MECHANICAL												
Tensile Strength	MD	ASTM D-882	psi	28800	28800	28800	29800	29800	29800	28400	27000	
	TD	ASTM D-882	psi	31300	31300	31300	31300	31300	31300	29800	28400	
Elongation to Break	MD	ASTM D-882	%					120				
	TD	ASTM D-882	%					110				
Shrinkage 300°F / 30 min	MD	ASTM D-1204	%	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.6	
	TD	ASTM D1204	%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Film Melting Point		DSC	°F					490				
Coefficient of Friction	Static	ASTM D-1894						0.55				
	Dynamic	ASTM D-1894						0.50				
BARRIER												
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E96	g/100in ² /24h	3.20	2.60	2.30	1.80	1.40	1.20	1.00	0.60	
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	7.10	6.50	5.80	5.20	4.50	3.90	3.20	2.60	

Guidelines for storage

IMP201 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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