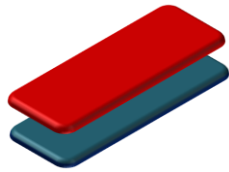




TECHNICAL DATA SHEET

ONE SIDE CHEMICAL TREATED PET FILM

IMP204



Chemical treated Polyester layer

Transparent polyester core

Transparent biaxially oriented polyester film, one side chemically treated, suitable for metallizing, printing, coating and improved bond strength in lamination applications. IMP204 has good wettability and excellent machineability and is suitable for lamination to a variety of substrates using the chemically treated side.

PRODUCT FEATURES

- Suitable for vacuum metallizing and coating processes
- Good wettability for use in print and lamination applications
- Increased bond strength in laminated materials
- 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	IMP204	IMP204	IMP204	IMP204	IMP204	IMP204
GENERAL									
Thickness*		Internal	ga	40	48	74	92	144	200
Density		Internal	g/cm ³	1.40					
Yield		Internal	lb/ream	8.6	10.3	16.3	19.8	31.0	43.0
		Internal	in ² /lb	50200	41850	26400	21800	14000	10100
Treatment	Corona side	ASTM D-2578	dynes/cm	56					
	Plain side	ASTM D-2578	dynes/cm	44					
OPTICAL									
Haze	max	ASTM D-1003	%	3.0	3.5	3.5	4.0	4.5	5.0
MECHANICAL									
Tensile Strength	MD	ASTM D-882	psi	29800	29800	29800	29800	28400	27000
	TD	ASTM D-882	psi	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	1.8	1.6
	TD	ASTM D1204	%	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		0.45					
	Dynamic	ASTM D-1894		0.40					
BARRIER									
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E96	g/100in ² /24h	3.20	2.60	1.80	1.40	1.00	0.60
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in ² /24h	7.10	6.50	5.20	4.50	3.20	2.60

* Thicker materials may be available on request

Guidelines for storage

IMP204 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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