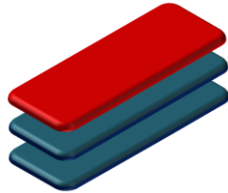




TECHNICAL DATA SHEET

ONE SIDE CORONA TREATED, ONE SIDE CHEMICAL TREATED PET FILM

IMP210



Chemical treated Polyester layer
Transparent polyester core
Corona treated polyester side

Transparent biaxially oriented polyester film, one side corona treated, one side chemically treated, suitable for metallizing, printing, and improved bond strength in lamination applications. IMP210 displays excellent wettability and is suitable for lamination to a variety of substrates using the chemically treated side.

PRODUCT FEATURES

- Suitable for vacuum metallizing
- Good wettability for use in print and lamination applications
- Increased bond strength in laminated materials
- Excellent gloss and transparency
- Good 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	IMP210	IMP210	IMP210	IMP210	IMP210	IMP210
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	Chemical side	ASTM D-2578	dynes/cm				56			
	Corona side	ASTM D-2578	dynes/cm				52			
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	1.8	
	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					0.50			
	Dynamic	ASTM D-1894					0.45			
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

IMP210 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

Information in this publication refers to average values of laboratory tests on samples from standard production. It is believed to be accurate and is given in good faith, but it is for the customer to satisfy the suitability for its own particular purpose. Accordingly, Impak Films gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. This document is not a product specification. Impak Films reserves the right to change the data sheet at any time without prior notification.

IMPAK FILMS AUSTRALIA (www.impakfilms.com.au)

ABN: 42 586 823 597 Address: Unit 1, 15-21 Butler Way, (P.O. Box 1114), Tullamarine Vic. 3043, Australia Telephone: +61 3 9310 5540 Facsimile: +61 3 9310 5590

IMPAK FILMS USA (www.impakfilms.com)

Address: 2727 Paces Ferry Road, Suite 1650 Building One, Atlanta, Georgia 30339, USA Telephone: +1 678 384 5520 Facsimile: +1 678 384 5543