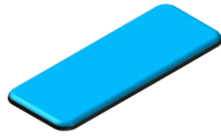




TECHNICAL DATA SHEET

TRANSPARENT POLYESTER TWIST FILM

IMP831



High transparency PET core

Dimensionally stable polyester film with high gloss and transparency developed for twist wrapping applications. The film displays excellent twist retention, stiffness and cutability in all types of twist equipment. With high yield, gloss and transparency, the material displays excellent antistatic properties in situations where humidity levels are >40%.

PRODUCT FEATURES

- Exceptional twist retention and dead fold properties
- High yield
- Highly transparent
- Available in high gloss or a matt finish
- Excellent antistatic properties
- High strength and tear resistance

APPLICATIONS

- Suitable for all types of twist wrapping machinery from older style machines right through to the newest faster style machines.
- IMP831 shows excellent machineability in humidity conditions >40%
- Can be supplied metallized or printable
- Suitable for lamination

PROPERTIES	TEST METHOD	UNITS	IMP831	IMP831	IMP831	
GENERAL						
Thickness	Internal	ga	71	87	106	
Yield	Internal	lb/ream	24.3	29.7	36.5	
	Internal	in ² /lb	28900	23700	19300	
Treatment	ASTM D-2578	dynes	≥36	≥36	≥36	
MECHANICAL						
Tensile Strength	MD	ASTM D-882	psi	>26000	>26000	>26000
	TD	ASTM D-882	psi	>29000	>29000	>29000
Elongation to Break	MD	ASTM D-882	%	>110	>110	>110
	TD	ASTM D-882	%	>100	>100	>100
COF	Dynamic A-B	ASTM D1894		0.35 - 0.55	0.35 - 0.55	0.35 - 0.55
BARRIER						
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM F1249	g/100in ² /24h	1.81	1.42	1.16
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	g/100in ² /24h	5.81	5.48	5.16

Guidelines for storage

IMP831 should be stored at 64°F - 86°F in its original wrapping and away from sources of direct sunlight. IMP831 should be consumed within 6 months of receipt. Allow film to reach operating room temperature 24h before use.

Printing & Lamination

Film is not printable unless specified when ordered. Consideration should be given to the film's twist application when selecting appropriate inks.

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.

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