



PERFORMANCE GUIDE

www.Mactac.com

IMP1810 INDIE® Matte Polypropylene

Revised: 08/12 AKH

Description

Applications and End Uses

Product	IMP1810 is a 3.0 mil matte white Indigo printable polypropylene with a patented formula non ooze acrylic adhesive and a 3.2 mil SCK liner.	For prime labeling applications requiring the durability and aesthetics of film labels. Recommended for semi-rigid and rigid containers. Market segments: food, cosmetic, toiletries, household cleaners, beverage and more.
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**HP Indigo Certification
RI-4050-10-1806 & RI-6000-10-1806**

Face	A 3.0 mil Indigo printable opaque matte white, biaxially oriented, coated polypropylene.
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Physical Properties Without Adhesive		
Caliper, inches	0.0030 +/- 10%	ASTM D-2103
Tensile @ Break, ppiw	34 MD 72 CD	ASTM D-882
Elongation, %	150 MD	ASTM D-882
Opacity, %	94	TAPPI 425

Adhesive	MP-910 adhesive is a patented formula designed to eliminate virtually all roll edge adhesive bleed and eliminate the need to strip a matrix. It is a general purpose, permanent acrylic emulsion adhesive, characterized by excellent ultimate adhesion to a wide variety of substrates.
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Physical Properties of Adhesive		
Thickness, inches	0.0007 +/- 10%	
Peel Adhesion, lbs./in.	1.6 or paper tear	PSTC-101F (30 min. applied)
Temperature Ranges		
Minimum Application	+25°F (-4°C) on most surfaces	
Service Ranges	-75°F to +200°F (-60°C to +93°C)	

Liner	A semi-bleached calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll -to -roll applications.
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Caliper, inches	0.0032 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	50 +/- 10%	TAPPI T-410

WS6000 Press Parameters	Suggested Press settings recommended by RIT through Certification on WS6000 Testing Performed June 2010. http://printlabcert.cias.rit.edu/industrialcertifiedmedia
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Best Working Point	Results without White Ink
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PTH temperature	55
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Feed Fan	8
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Blanket temperature	110
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2nd Transfer pressure	300
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Shelf Life	One year when stored at 72° F and 50% R.H.
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This product complies with CONEG regulations.

All Mactac Roll Label products meet the requirements of the Clean Air Act of 1990.

Note: The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or regulatory compliances, please contact your Mactac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the Mactac website for the latest, most up-to-date version at www.mactac.com

IMP1810 has been independently evaluated and qualified by Rochester Institute of Technology for use on HP Indigo WS4050 & WS6000 digital presses. Reference certificate number from RIT: RI4050-10-1806 & RI6000-10-1806.

CALL 1-800-548-3456 for additional product information

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