



PERFORMANCE GUIDE

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GF9001 Vivid™ 3 White Polystyrene

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Description	Applications and End Uses		
Product	GF9001 is a 2.6 mil white polystyrene film with a quick tack permanent adhesive and a 2.45 semi-bleached calendared kraft liner. The entire construction converts and prints on wider webs and higher-speeds than typical rubber based adhesive coated papers.		For prime labeling applications requiring a film label. Converts and dispenses easily. Markets include: food, cosmetic, toiletries, beverage and more.
Face	An opaque white polystyrene that is corona treated for printing. Designed for indoor use as a coupon base and as a primary label in non-conformable applications. Smooth containers should be used in labeling applications to avoid air bubble entrapment with automatic dispensing.		
	Physical Properties Without Adhesive		
	Caliper	2.6 mils	ASTM D2103
	Tensile at Yield (MD/CD)	21.0/22.0 PPIW	ASTM D882
	Tensile at Break (MD/CD)	19.8/25.3 PPIW	ASTM D882
	Elongation at Yield	5.0/4.5%	ASTM D882
	Elongation at Break (MD/CD)	65/95%	ASTM D882
	1% Secant Modulus (MD/CD)	307,692/300,366 PSI	ASTM D882
	Tear Strength (MD/CD)	29/24	ASTM D1922
	Coefficient of Friction	0.67	ASTM D1894
	60° Gloss	30	ASTM D2457
Adhesive	710VHP is a permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Exceptional high speed and wider web converting.		
	Physical Properties of Adhesive		
	Thickness, inches	0.0007 +/- 10%	
	Peel Adhesion, lbs./in.	Corrugate: 1.3 HDPE: 1.8 Stainless Steel: 2.7	PSTC-101A (30 min. applied)
	Loop Tack (1"), lbs./in.	Corrugate: 2.3 HDPE: 3.2 Stainless Steel: 4.8	PSTC-16
	Temperature Ranges		
	Minimum Application	+20°F (-7°C)	CTM #45 Curwood
	Service Ranges	-65°F to +160°F (-54°C to +71°C)	Polyester Film Dry Surface
Liner	A semi-bleached calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll -to -roll applications.		
	Caliper, inches	0.00245 +/- 10%	TAPPI T-411
	Basis Weight, lbs. (24" x 36"/500 sheets)	40 +/- 10%	TAPPI T-410
Shelf Life	One year when stored at 72° F and 50% R.H.		

Polyfilm® is a registered trademark of Morgan Adhesives Company

This product complies with CONEG regulations. All MACTac Roll Label products meet the requirements of the Clean Air Act of 1990. 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

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