



# PERFORMANCE GUIDE

## Represents Typical Values Only

www.Mactac.com

### GF5001 Vivid™ 3 White Polystyrene

Revised: 07/2019 RDF

Description		Applications and End Uses	
Product	GF5001 is a 2.6 mil white polystyrene film with a freezer grade permanent adhesive and a 2.4 mil semi-bleached super calendared kraft liner.		For prime labeling applications requiring a film label with a freezer adhesive.
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	733 is a rubber-based adhesive characterized by moderate initial tack and excellent ultimate adhesion to shrink films, corrugated and other substrates that are often utilized in cold temperature and freezer packaging. 733 has also demonstrated effective adhesion to cold/wet substrates.		
Physical Properties of Adhesive			
Thickness, inches	0.0007 +/- 10%		
Peel Adhesion, lbs./in.	2.5 lbs. or paper tear	PSTC-101A (30 min. applied)	
Temperature Ranges			
Minimum Application	0° F (-18°C)	CTM #45 Curwood	
Service Ranges	-65 to +150° F (-54 to +66°C)	Polyester Film Dry Surface	
Liner	A semi-bleached super calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll -to -roll applications.		
	Caliper, inches	0.0024 +/- 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

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

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