



PERFORMANCE GUIDE

Represents Typical Values Only

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VDG9521

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3.4 mil Topcoated White Vinyl / ST95 / 65# C1S

Description	Applications and End Uses		
Product	VDG9521 is 3.4 mil white topcoated flexible vinyl with a permanent adhesive with a 65# clay coated one side liner. This product is ideal for outdoor promotional needs.		Vinyl construction for label applications requiring conformability and outdoor durability – designed for bumper sticker and other layflat product applications.
Face	The face film is a top coated white, flexible PVC film, polymerically plasticized for minimal shrinkage and dimensional stability. It can be used indoors and outdoors as a primary label, and works applications requiring wall-to-wall squeezability. The top coating on this product is designed for flexographic and offset printing.		
	Physical Properties Without Adhesive		
	Caliper, in	0.0034	ASTM D2103
	Tensile at Yield (MD/CD)	11.6/10.5 PPIW	ASTM D882
	Tensile at Break (MD/CD)	13.0/12.0 PPIW	ASTM D882
	Elongation at Yield	8.1/7.5%	ASTM D882
	Elongation at Break (MD/CD)	98/250%	ASTM D882
	1% Secant Modulus (MD/CD)	52,070/52,070 PSI	ASTM D882
	Tear Strength (MD/CD)	73/89 grams	ASTM D1922
	Opacity	93.6	ASTM D1746
Adhesive	ST95 is a general-purpose permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. Very good adhesion to corrugated, glass, and various plastic substrates. Also used in healthcare applications and considered to be latex glove friendly.		
	Physical Properties of Adhesive		
	Thickness, inches	0.0007 +/- 10%	
	Peel Adhesion, lbs./in.	2.6	PSTC-101A (30 min. applied)
	Temperature Ranges		
	Minimum Application	+25°F (-4°C)	CTM #45 Curwood
	Service Ranges	-75°F to +200°F (-59°C to +93°C)	Polyester Film Dry Surface
Liner	65# clay coated one side (C1S) white kraft liner designed for and commonly used in roll-to-sheet applications.		
	Caliper, inches	0.0042 +/- 10%	TAPPI T-411
	Basis Weight, lbs. (24" x 36"/500 sheets)	65 +/- 10%	TAPPI T-410
Shelf Life	One year when stored at 72° F and 50% R.H.		

Opticlear® 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.

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

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

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