

VDG9511

Revised: 06/2019 CNS

3.4 mil Topcoated White Vinyl / ST95 / 3.2 mil SCK

Description	Applications and End Uses		
Product	VDG9511 is a 3.4 mil white topcoated flexible vinyl with a permanent adhesive with a 3.2 kraft liner. This product is ideal for outdoor promotional needs.		Vinyl construction for label applications requiring outdoor durability. Excellent flexo and thermal transfer printability with most resin and wax/resin ribbons.
	BS 5609 Compliant. This product conforms to BS 5609: 1986 Section 2 – ‘Marine and Laboratory Performance of Label Base Materials’.		
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, thermal transfer 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	A semi-bleached kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll -to -roll applications where a more demanding may be needed.		
	Caliper, inches	0.0032 +/- 10%	TAPPI T-411
	Basis Weight, lbs. (24” x 36”/500 sheets)	50 +/- 10%	TAPPI T-410
Durability	The outdoor durability of the unprinted film is 5 years. Warranted life is based on vertical applications in central USA. Areas with greater weather extremes such as southwestern USA, Mexico and other similar areas in the tropics, sub-tropics or areas with high pollution levels cannot be expected to have the same durability. Therefore, durability in these areas will be 50% or 2.5 years, of this warranty statement.		
Shelf Life	Product retains its performance and properties for two years from date of manufacture when stored at 72° F and 50% relative humidity.		

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

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