



Providing Solutions in Pressure Sensitive Films

Product Construction Sheet

FLEXmark® V-176 ADHESIVE

GENERAL DESCRIPTION:

This is a soft aggressive permanent pressure sensitive acrylic adhesive.

NOTE:

For all testing 1.5-1.6 mil (38-41 micron) of V-176 adhesive was transfer coated on 3.5 mil (89 micron) flexible white vinyl (V 400 F white) and 2.0 mil (51 micron) clear polyester (PM 200 CLEAR) film.

PRODUCT DATA	VALUE	TEST METHOD
ADHESION PROPERTIES**		
Adhesion from	Average oz/in (N/m)	ASTM D 903 (Modified for 72 hr dwell time)
Stainless Steel	V 400 F WHITE: PM 200 CLEAR:	116 (1276) 128 (1408)
Acrylic	V 400 F WHITE: PM 200 CLEAR:	96 (1056) 120 (1320)
Glass	V 400 F WHITE: PM 200 CLEAR:	106 (1166) 125 (1375)
Polypropylene	V 400 F WHITE: PM 200 CLEAR:	22 (242) 26 (286)
Expected Shear (hours)		ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
V 400 F WHITE:	< 0.15	
PM 200 CLEAR:	< 0.15	
Tack (gm)		ASTM D 2979
V 400 F WHITE:	650	
PM 200 CLEAR:	680	

** For guidance only, not to be used for setting specifications. Due to the custom nature of this product, the data presented is based on three or less production runs.

EXPECTED EXTERIOR LIFE	Depends on substrates, Adhesive is suitable for outdoor use	
SERVICE TEMPERATURE RANGE		
V 400 F WHITE:	-40°F to 176°F (-40°C to 80°C)	
PM 200 CLEAR:	-40°F to 302°F (-40°C to 150°C)	
MINIMUM APPLICATION TEMPERATURE	32°F (0°C)	
STORAGE STABILITY	Two years stored at 70°F (21°C) and 50% RH	

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Product Performance and Suitability

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