



Providing Solutions in Pressure Sensitive Films

Product Construction Sheet

FLEXmark® V-156 ADHESIVE

GENERAL DESCRIPTION:

This is an aggressive permanent pressure sensitive acrylic adhesive.

NOTE:

For all testing 1.0-1.1 mil (25-28 micron) of V-156 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.

Table with columns: PRODUCT DATA, VALUE, TEST METHOD. Rows include Adhesion Properties (Stainless Steel, Acrylic, Glass, Polypropylene) and Expected Shear (hours) for V 400 F WHITE and PM 200 CLEAR.

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

3 day water immersion + 24 hr recovery vs. 72 hr at RT. on SS panel (24 hr dwell time on SS panel before immersion)

No visual change, 40% adhesion loss No visual change, 10% adhesion loss

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Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of FLEXcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product.

PRODUCT DATA		
	V 400 F WHITE	PM 200 CLEAR
CHEMICAL RESISTANCE		
Test Method: ASTM D 896 (All testing at RT., five cycles, ten minutes in solvent, thirty minutes recovery on SS panel (24 hour recovery after last cycle) vs. 72 hour on SS panel at RT. (24 hr dwell on SS panel before immersion.)		
Windex	No visual change, 20% adhesion loss	No visual change, 15% adhesion loss
Isopropyl Alcohol	No visual change, 20% adhesion loss	No visual change, 10% adhesion loss
Gasoline	Edge penetration, 70% adhesion loss	Edge penetration, 60% adhesion loss
Toluene	Severe film deterioration	Edge penetration, 90% adhesion loss
Oil (SAE 10W-30)	No visual change, 5% adhesion loss	No visual change, 25% adhesion loss
Acetic Acid (5%)	No visual change, 10% adhesion loss	No visual change or adhesion loss
Water	No visual change, 5% adhesion loss	No visual change or adhesion loss
HUMIDITY RESISTANCE		
Test Method: On SS panel at 100°F and 95% RH vs. 72 hr on SS panel at RT. (24 hr dwell time on SS panel before humidity exposure)		
1 day + 15 min recovery	No visual change, 75% adhesion loss	No visual change, 75% adhesion loss
24 hr recovery	No visual change, 10% adhesion loss	No visual change, or adhesion loss
7 day + 15 min recovery	No visual change, 40% adhesion loss	No visual change, 20% adhesion loss
24 hr recovery	No visual change, 15% adhesion loss	No visual change or adhesion loss
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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All of the descriptive information, the typical performance data, and recommendations for the use of FLEXcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by FLEXcon. All purchasers of FLEXcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of FLEXcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.