



Providing Solutions in Pressure Sensitive Films

Product Construction Sheet

FLEXcon® SA6000 SERIES ADHESIVE

GENERAL DESCRIPTION:

This is a high performance, engineering grade permanent pressure sensitive silicone adhesive.

This adhesive is ideal for lower temperature disc brakes, noise and vibration damping applications. For automotive and pick-up truck brake damping applications, SA6000 can withstand repeated exposure to 650°F (343.3°C) temperature.

SA6000 adhesive is available in 1.0 mil (25 micron) to 4.0 mil (102 micron) thickness with two release liners.

NOTE:

For all testing transfer tape was laminated to 2.0 mil (51 micron) clear polyester film. When converting this product on press, hard start of the machine is recommended.

PRODUCT DATA	VALUE			TEST METHOD
ADHESION PROPERTIES**				
Adhesive Thickness	SA6001	SA6002	SA6004	ASTM D 3652 (Modified for use with non-tape product)
mil	1.0-1.1	1.9-2.1	3.9-4.1	
micron	25-28	48-53	99-102	
	Average	Average	Average	ASTM D 903 (Modified for 72 hr dwell time)
	oz/in (N/m)	oz/in (N/m)	oz/in (N/m)	
Stainless Steel	62 (682)	80 (880)	120 (1320)	
Acrylic	57 (627)	75 (825)	140 (1540)	
Glass	63 (693)	77 (847)	151 (1661)	
Polypropylene	51 (561)	51 (561)	138 (1518)	
Expected Shear (hours)	50	40	50	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)

** 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.

EXPECTED EXTERIOR LIFE	Depends on substrates
SERVICE TEMPERATURE	-300°F to 500°F (-185°C to 260°C) Short term exposure temperature 800°F (427°C) for <1 hr
MINIMUM APPLICATION TEMPERATURE	50°F (10°C)
STORAGE STABILITY	Three months stored at 70°F (21°C) and 50% RH

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Product Performance and Suitability

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