



Providing Solutions in Pressure Sensitive Films

Product Construction Sheet

FLEXcon® SA6000 Series

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.

FLEXcon® SA6000 adhesive series is available in 1.0 mil (25 micron) to 4.0 mil (102 micron) thickness.

NOTE:

For all testing, transfer tape was laminated to 2.0 mil (51 micron) clear polyester film.

| PRODUCT DATA | VALUE | | | TEST METHOD |
|------------------------|-------------|-------------|-------------|---|
| ADHESION PROPERTIES** | | | | |
| Adhesive Thickness | | | | ASTM D 3652 |
| 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) |
| Tack (gm) | 930 | 760 | 1230 | ASTM D 2979 |

** 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.

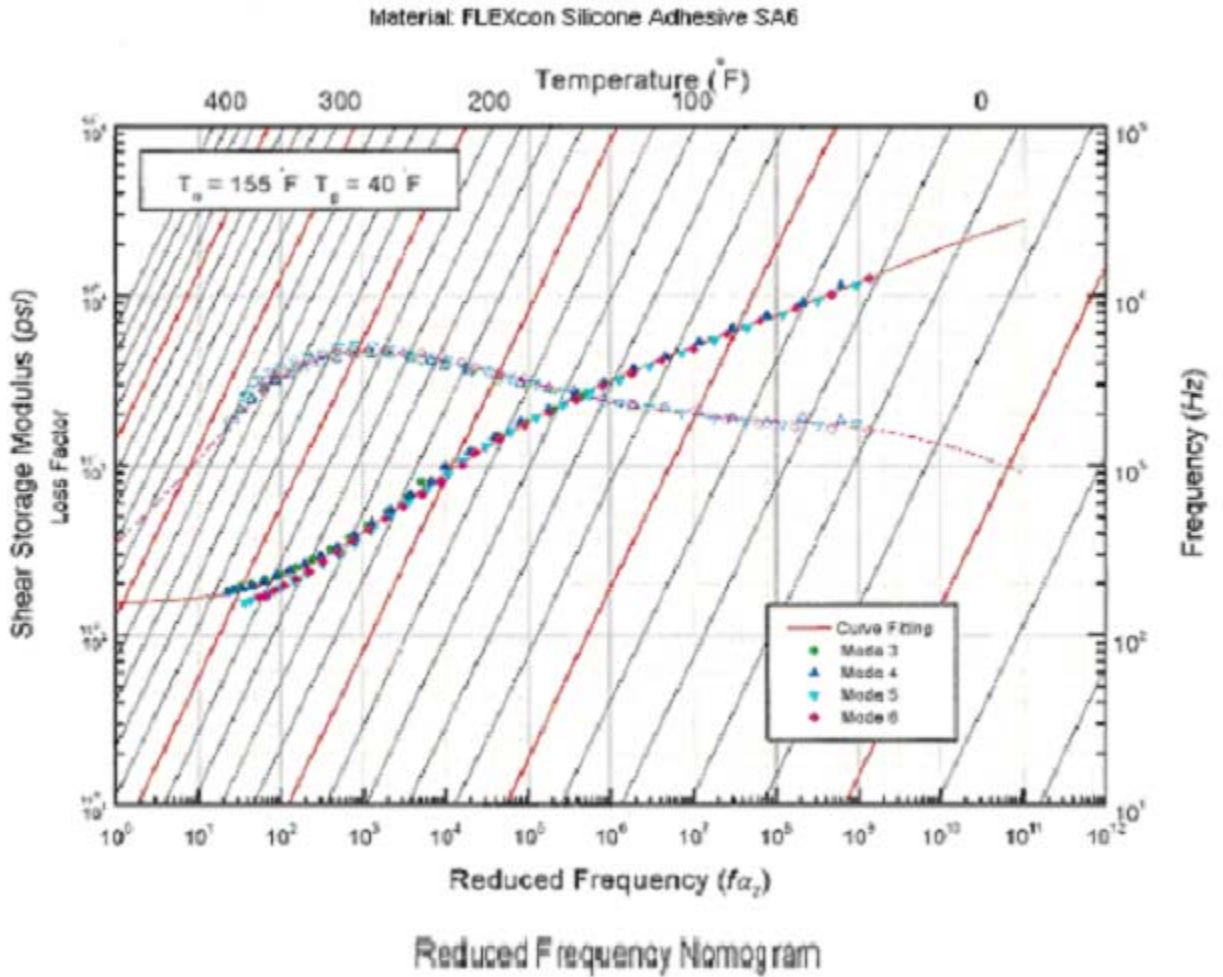
| | |
|---------------------------------|--|
| EXPECTED EXTERIOR LIFE | Depends on substrates |
| SERVICE TEMPERATURE | -300°F to 500°F (-185°C to 260°C) Short term exposure temperature 800°F (427°C) for <1 hr |
| MINIMUM APPLICATION TEMPERATURE | 50°F (10°C) |
| STORAGE STABILITY | Six months stored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

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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. 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.



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