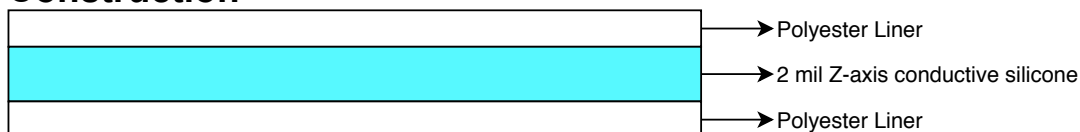


PRODUCT DATA SHEET SB250U

Description: SB250U is a Z-axis electrically conductive silicone pressure sensitive transfer adhesive designed for electronics, aerospace, medical and military applications. This high temperature adhesive system conducts anisotropically through the adhesive layer. Primary applications include EMI/RFI shielding, ESD pads and flexible circuits. SB250U bonds well to both high and low surface energy materials including: silicone foams, plastics, metals, glass and composites.

Construction



Feature and Benefits

- Z-axis electrically conductive transfer adhesive
- Bonds well to low and high surface energy materials
- Excellent high temperature performance
- Excellent chemical resistance
- Volume resistivity <4 ohm-cm

Typical Properties (not to be used for specification purposes)

TEST	METHOD	VALUE (US)	VALUE (METRIC)
Adhesive Thickness	PSTC-133	2.0 mils	0.051 mm
180°Peel Adhesion	PSTC-101	32 oz./inch	8.9 N/25 mm
Shear Adhesion	PSTC-107	>168 hr @ 2.2 psi	>168 hr @ 15.2 kPa
Tack	ASTM D2979	14 oz/inch	395 grams/25 mm
Min Service Temp		-40°F	-40°C
Max Service Temp		500°F	260°C

For maximum adhesion, bonding surfaces should be clean, dry, and free from grease and oils. The firmer the application pressure and the greater the contact area, the stronger the bond.

IMPORTANT NOTICE TO PURCHASER: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his or her intended use, and the user assumes all risk and liability whatsoever in connection therewith. No representative of ours has authority to waive or change the foregoing provisions, but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to the needs and circumstances prevailing in their business.