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122-44(SP)C

ANISOTROPIC CONDUCTIVE ADHESIVE

DESCRIPTION: 122-44(SP)C is a flexible anisotropic conductive silicone adhesive. features the highest degree of thermal and mechanical reliability over any other conductive adhesive technology and provides no failures during thermal cycling, heat aging, shocking or vibration due to the reliability from the elasticity of the product. This product is very resistant to flexing and creasing. 122-44(SP)C is designed for bonding rubber to a variety of substrates such as aluminum, stainless steel, and steel. Additionally, 122-44(SP)C is one of the few conductive adhesives that can bond to silicone substrates and surfaces. 122-44(SP)C is a non-flammable version of 122-44.

TYPICAL CURED PROPERTIES:

Volume Resistivity (Ω -cm)	(X, Y Axis) 1×10^{12} (Z Axis) 0.0001
Consistency	Medium viscosity liquid
Crease Resistance	Excellent
Hydrolytic Stability	Excellent
Hardness (Shore A)	~50
Useful Temperature Range ($^{\circ}$ C)	-70 to +260
Thermal Stability ($^{\circ}$ C)	Good to 325

SUGGESTED HANDLING: Before using 122-44(SP)C should be stirred gently to ensure homogeneity. Further thinning may be accomplished by adding small amounts of toluene, xylene, or 127-05.

SUGGESTED CURING AND BONDING: Apply thin film of adhesive to both surfaces to be bonded. Good properties are achieved when cured for 60 minutes at 150° C but end user is advised to experimentally determine temperature and time best suited for individual applications. 122-44(SP)C is not recommended for applications that cannot cure above 100° C.

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STORAGE: Shelf life: up to 2 weeks at 25° C; or 6 months at -20° C. See [syringe handling guidelines](#) for recommendations on storage and maintaining homogeneity of material over long-term storage.

***122-44(SP)C packaged in syringes must be kept frozen at -40° C**

SAFETY & HANDLING: Contains flammable solvents. Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to results or possible infringements on patents.

REVISION DATE: 2/17/21 REVISION: A