

**EPOXY SC 082108-2LC**

**TWO PART CONDUCTIVE ADHESIVE**

**TECHNICAL DATA**

**Product Description**

Epoxy SC 082108-2LC is a room temperature curing epoxy system designed to be used as a solder replacement. This two part silver filled product provides excellent electrical conductivity and chemical resistance.

**APPLICATIONS**

- Solder replacement

**FEATURES**

- Two-part
- Room temperature cure
- Moisture and chemically resistant
- Electrically conductive

**RECOMMENDED SUBSTRATES**

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Epoxy	N/A
Color, Pt A:B	Silver : Clear	N/A
Viscosity @ 25C, Mixed	Creamy Light Paste	N/A
Specific Gravity, Pt A	2.89	TFTEST002
Specific Gravity, Pt B	0.96	TFTEST002
Filler Type	Silver Flake	N/A
Filler Size, microns	<45	N/A

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore D	80	TFTEST012
CTE, C, -40-80C, ppm	32	N/A
Operating Temperature Range, C	-50 to 155	N/A
Peak Intermittent Temperature, C	180	N/A
Glass Transition Temperature, C	80	N/A
Tensile Strength, psi	>5,000	N/A
Tensile Lap Shear, Al/Al, psi	>1,800	N/A
Electrical Resistivity, ohm-cm	<0.0001	N/A

CURE OVERVIEW*		
Property	Value	Test Method
Mix Ratio by Weight, Resin:Hardener	100:9	N/A
Work Life @ 25C, min	15	N/A
Gel Time @ 25C, min	60-120	N/A
Cure Time @ 25C, hr	24	N/A

**Storage:**

Store material in cool, dry location at a temperature between 10°C to 28°C. Keep from freezing. Refer to packaging specific quote for shelf life information. Consult MSDS for safe handling recommendations.

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