

EPOXY SC 052607

ONE PART CONDUCTIVE ADHESIVE

TECHNICAL DATA

Product Description

Epoxy SC 052607 is a one part, heat cure, silver filled epoxy system designed to be used as a solder replacement. This liquid can be cured in as little as 30 minutes at 100C. Cured product provides excellent electrical conductivity and chemical resistance.

APPLICATIONS

- Soldering replacement

FEATURES

- One part
- Electrically conductive
- Heat cure
- Moisture and chemically resistant

RECOMMENDED SUBSTRATES

- Metals
- Glass
- Ceramics

UNCURED PROPERTIES*

Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Epoxy	N/A
Color	Silver	N/A
Viscosity @ 25C, cps	450,000-550,000	TFTEST001
Specific Gravity	3.3	TFTEST002
Filler Type	Silver Flake	N/A
Filler Size	<45 Microns	N/A

CURED MECHANICAL PROPERTIES*

Property	Value	Test Method
Durometer Hardness, Shore D	80	TFTEST012
Moisture Resistance	Excellent	N/A
Operating Temperature Range, C	-50 to 180	N/A
Tensile Strength, psi	>5,000	N/A
Tensile Lap Shear, Al/Al, psi	>1,800	TFTEST005
Electrical Resistivity, ohm-cm	<0.0001	N/A
CTE, C, -40-80C, ppm	62	N/A
Glass Transition Temperature, C	120	N/A
Peak Intermittent Temperature, C	180	N/A

CURE OVERVIEW*

Property	Value	Test Method
Work Life @ 25C, wk	2	N/A
Gel Time @ 100C, min	10-12	N/A
Cure Time @ 100C, min	30	N/A

Storage:

Store material in cool, dry location, frozen at a temperature of -20°C. Refer to packaging specific quote for shelf life information. Consult MSDS for safe handling recommendations.

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