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## GPC 251

### ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE

**DESCRIPTION:** GPC 251 is a two part, room temperature curing, silver filled epoxy adhesive. System is designed to be used for making electrical and mechanical attachments on electrical components and devices. Unlike typical room temperature curing systems, this product always results in excellent conductivity and is less sensitive to handling and ambient conditions.

	<u>Part A</u>	<u>Part B</u>
Appearance:	Silver	Light Yellow
Consistency:	Paste	Liquid
Mix Ratio (by weight):	100 (17)	5.9 (1)
Pot Life:	-----	60 minutes

**MIXING INSTRUCTIONS:** Premix Part A in original container prior to adding curing agent. Add Part B to Part A and mix until uniform.

**CURING INSTRUCTIONS:** Best results are obtained when product is cured at one of the following schedules:

24 hours @ 25°C, or  
60 mins @ 65°C, or  
30 mins @ 95°C, or  
5 mins @ 120°C

#### TYPICAL CURED PROPERTIES:

Volume Resistivity, max. (25°C)	0.005 Ω-cm
Volume Resistivity, max. (120°C)	0.0002 Ω-cm
Tensile Shear (psi)	>1800
Water Absorption (%)	< 0.06
Tensile Strength (psi)	11,200
Solvent Resistance	Excellent
Solderable	No
Specific Gravity	2.7
Thermal Conductivity (W/mK)	6.74

**STORAGE:** Shelf life Parts A and B: 12 months in unopened, unmixed containers.

*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: 10/17/07 REVISION: B