



Creative Materials, Inc.  
141 Middlesex Road  
Tyngsboro, MA 01879

T 978.649.4700  
F 978.649.2040

**106-21**

**CARBON FILLED, ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE**

**DESCRIPTION:** 106-21 is a two part, room temperature curing, carbon 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:	Black	Light Yellow
Consistency:	Paste	Liquid
Mix Ratio (by wt):	100	23
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 or  
2 mins @ 175°C

**TYPICAL CURED PROPERTIES:**

Volume Resistivity (24hrs/25°C)	100.0 Ω-cm max.
Volume Resistivity (2 min./175°C)	50.0 Ω-cm max.
Tensile Shear (psi)	> 2100
Water Absorption (%)	< 0.02
Tensile Strength (psi)	9,200
Solvent Resistance	Excellent
Solderable	No

**STORAGE/ SHELF LIFE:** 12 months at 25°C for unopened 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: 9/12/95 REVISION: A