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**102-11**

**CRACK RESISTANT, BLACK, FLAME-OUT EPOXY COMPOUND**

**DESCRIPTION:** 102-11 is a black, flame-out, two component, epoxy potting and encapsulating compound. Product is designed to release entrapped air rapidly during cure resulting in a smooth, pinhole free surface. 102-11 is an improved, crack-resistant version of F947.

	<u>Part A</u>	<u>Part B</u>	<u>Mixture</u>
Appearance:	Black	Amber	Black
Viscosity:	55000 cps	300 cps	6000 cps
Mix Ratio (By Weight):	100	12	----
Pot Life:	---	---	> 1/2 Hr

**MIXING INSTRUCTIONS:** Premix Part A in original container prior to adding curing agent. Add Part B to Part A and mix until uniform. Use with standard Part B for room temperature cure.

**CURING INSTRUCTIONS:**

Handling Properties:	2-4 hrs @ 25°C
Full Cure:	24 hrs @ 25°C or 5-15 mins @ 100°C

**TYPICAL CURED PROPERTIES:**

Hardness (Shore D)	> 82
Coef. of Therm. Exp.(in/in/°C x 10 <sup>-6</sup> )	22
Therm. Cond. (W/mK)	1.28
Cure Shrinkage (%)	0.189
Heat Distortion Temp. (°C)	85
Tensile Strength (psi)	9600
Water Absorption (%)	< 0.22
Dielectric Strength (volts/mil)	475
Volume Resistivity (Ω-cm)	1 x 10 <sup>15</sup>
Power Factor (60 HZ)	0.028
Dielectric Constant	4.3 @ 60 HZ

*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.*

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