



Creative Materials, Inc.
12 Willow Road
Ayer, MA 01432

T 978.391.4700
F 978.391.4705

113-33

CRACK RESISTANT, BLACK, FLAME-OUT GLOB TOP EPOXY

DESCRIPTION: 113-33 is a sag resistant 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. 113-33 is an improved, sag resistant version of 102-11.

	<u>Part A</u>	<u>Part B</u>	<u>Mixture</u>
Appearance:	Black	Amber	Black
Viscosity (cps):	100,000	400	----
Mix Ratio (By Weight):	100	15	----
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 ⁻⁶)	22
Therm. Cond. (W/mK)	1.28
Cure Shrinkage (%)	0.189
Heat DistortionTemp. (°C)	85
Fungus Resistance	Non-nutrient
Tensile Strength (psi)	9600
Water Absorption (%)	< 0.22
Dielectric Strength (volts/mil)	475
Volume Resistivity (Ω-cm)	1 x 10 ¹⁵
Power Factor (60 HZ)	0.028
Dielectric Constant	4.3 @ 60 HZ

STORAGE: Shelf Life: 12 months at 25°C in sealed containers

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.

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: 6/17/08 REVISION: C