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113-33/ B187

CRACK RESISTANT, BLACK, FLAME-OUT GLOB TOP, EPOXY

DESCRIPTION: 113-33/B187 is a black, sag resistant, 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 B187</u>	<u>Mixture</u>
Appearance:	Black	Amber	Black
Viscosity (cps):	100,000	6,500	----
Mix Ratio (By Weight):	100	5	----
Pot Life:	---	---	> 4 Hrs

MIXING INSTRUCTIONS: Premix Part A in original container prior to adding curing agent. Add Part B187 to Part A and mix until uniform. **NOTE:** It is not unusual for crystallization of the B-187 to occur. Warm to 40-45°C in a water bath to return the material to its original viscosity. The crystallization of the catalyst does not affect the performance of the product in any way. To prevent re-crystallization, store the B-187 at temperatures between 35-45°C.

CURING INSTRUCTIONS:

Handling Properties:	1 hr @ 80°C
Full Cure:	2 hrs @ 80°C or 30 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)	105
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 implied or expressed with respect to results or possible infringements on patents.

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