

50-3107

LOW VISCOSITY EPOXY POTTING COMPOUND

RoHS COMPLIANT

DESCRIPTION:

50-3107 is a two-component potting and encapsulating compound. This system is designed to be self-extinguishing and meets the stringent requirements of UL 94-VO. 50-3107 is thermally conductive and is RoHS compliant.

TYPICAL SPECIFICATIONS:

Viscosity, 25°C, Resin, cps	35,000
Color	Black
Hardness, Shore D	75
Gel time, 100 gram mass, 25°C	
Mixed with Catalyst 190	45 minutes
Mixed with Catalyst 140	30 minutes
Specific Gravity, Resin, 25°C	1.57

CHOICE OF CURING AGENTS:

Catalyst 190:

Room temperature curing with a 45 minute pot life. Tough and rigid at all temperatures up to approximately 150°C (302°F).

1. By weight, thoroughly mix 6 parts Catalyst 190 to 100 parts 50-3107 Epoxy Resin.
2. Slight warming 40°C (104°F) of the epoxy prior to mixing will improve pourability and air release.
3. Pour and allow to cure overnight or with heat for 2 hours at 66°C (155°F).

Catalyst 140:

Room temperature curing with a 30 minute pot life. Low viscosity and easy handling properties. Excellent adhesion. Has a service temperature up to approximately 150°C (300°F). Will soften slightly above 121°C (250°F).

1. By weight, thoroughly mix 12 parts Catalyst 140 to 100 parts 50-3107 Epoxy Resin.
2. Slight warming 40°C (104°F) of the epoxy prior to mixing will improve pourability and air release.
3. Pour and allow to cure overnight or with heat for 2 hours at 66°C (155°F).

**STORAGE, HANDLING, & SAFETY:**

Store both components at 25 °C in original containers. The expected shelf life is 12 months in original containers.

Please read the Safety Data Sheet before using this or any other chemical.

AVAILABILITY:

50-3150RFRBK is available in quarts, gallons, and 5-gallon pails.

IMPORTANT:

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