



HYBRID POLYMER 113-107

FLOWABLE POTTING COMPOUND

TECHNICAL DATA

Product Description

Hybrid Polymer 113-107 is a flowable, industrial grade epoxy potting compound with extended work life. Once mixed, the two-part epoxy cures at room temperature to form a rigid, black encapsulant. The fully cured epoxy provides excellent environmental and chemical resistance, and acts as an electrical insulator. Hybrid Polymer 113-107 is designed for bonding, potting, and encapsulating electrical components.

APPLICATIONS

- Electronics bonding
- Electronics encapsulating
- Electronics potting

FEATURES

- Flowable
- Extended work life
- Chemical resistance
- Environmental resistance
- Electrical resistance
- Electrical insulator

RECOMMENDED SUBSTRATES

- Metal
- Plastics
- Wood

UNCURED PROPERTIES

Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class, PT A:B	Epoxy : Amine	N/A
Color, PT A:B	Black : Tan	N/A
Specific Gravity, PT A	1.17	QPTTEST002
Specific Gravity, PT B	0.97	QPTTEST002
Viscosity @ 25C, cps, PT A	5,000 to 7,000	QPTTEST001
Viscosity @ 25C, cps, PT B	10,000 to 14,000	QPTTEST001
Mix Ratio by Volume, PT A:PT B	1:1	N/A

CURED MECHANICAL PROPERTIES

Property	Value	Test Method
Durometer, Shore D	85	QPTTEST012
Glass Transition Temperature, Tg, C	55	N/A
Tensile Strength, psi	6,800	N/A
Tensile Elongation, %	8	N/A
Dielectric Strength, Volts/mil	550	N/A

CURE OVERVIEW

Property	Value	Test Method
Work Life @ 25C, min	60	N/A
Tack-Free time @ 25C, min	180	N/A
Cure Time @ 25C, hr	24	N/A

Storage:

Store material in cool, dry location at a temperature between 10°C to 28°C. Keep from freezing. Refer to packaging specific quote for shelf life information. Consult SDS for safe handling recommendations.

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