

EPOXY 121807

ADHESIVE SYSTEM

TECHNICAL DATA

June, 2011

Product Description

Epoxy 121807 is a medium viscosity epoxy resin system designed for industrial adhesive, small potting and laminating applications. This two-part adhesive is easily mixed and develops tough, strong bonds to a wide variety of plastics, metals, and glass ceramics. Epoxy 121807 is a very effective electrical insulator which also provides very good resistance to water, petroleum solvents, mild acids, and alkalis.

APPLICATIONS

- Industrial adhesion
- Small potting
- Laminating

FEATURES

- Convenient two part mix ratio
- Moisture resistant
- Room temperature cure
- Electrically insulating

RECOMMENDED SUBSTRATES

- Glass ceramics
- Metals
- Plastics

BIOCOMPATIBILITY

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class, PT A:B	Epoxy : Amine	N/A
Color	Amber	N/A
Specific Gravity, Pt A:B	1.16 : 0.99	N/A
Viscosity @ 25C, (20 rpm) cps, PT A:B	12,000-13,000	ASTM D 1084
Mixed Viscosity @ 25C, (20 rpm) cps	12,000-14,000	ASTM D 1084

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore D	78	ASTM D 2240
Moisture Resistance	Excellent	N/A
Operating Temperature Range, C	-75 to 145	N/A
Elongation, %	10	ASTM D638

CURE OVERVIEW*		
Property	Value	Test Method
Mix Ratio by Volume, Resin:Hardener	1:1	N/A
Mix Ratio by Weight, Resin:Hardener	100:85	N/A
Pot Life @ room temperature, min	120	N/A
Cure Time @ room temperature, hrs	48	N/A
Cure Time @ 85C, hrs	2	N/A

Storage:

Refer to packaging specific quote for shelf information.

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