

EPOXY 87133

SINGLE COMPONENT HEAT CURE EPOXY

TECHNICAL DATA

Product Description

Epoxy 87133 is a low viscosity epoxy resin system designed for industrial adhesive, small electrical potting and laminating applications where fast process cure is required. This polymer can be heat cured in less than 10 minutes at 120C. Once fully cured Epoxy 87133 provides excellent electrical insulation and it can be used as an adhesive for metals and most plastics. It exhibits excellent resistance to moisture, acid, bases, and most organic solvents.

APPLICATIONS

- Electrical potting
- Laminating
- Industrial adhesion

FEATURES

- Single Component
- Moisture and chemical resistance
- High fracture toughness
- Low shrinkage

RECOMMENDED SUBSTRATES

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Epoxy	N/A
Color	Translucent Pale Yellow	N/A
Specific Gravity	1.15	TFTEST002
Viscosity @ 25C, cps	5,000-7,000	TFTEST001

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Hardness, Shore D	83	N/A
Moisture Resistance	Excellent	N/A
Operating Temperature Range, C	-60 to 155	N/A
Tensile Strength,psi	5,560	N/A
Tensile Lap Shear, Al/Al, psi	2,800	N/A
Shrinkage, %	1.6	N/A
Elongation, %	3.3	N/A
Dielectric Strength, Volts/mil	>500	N/A
Dissipation Factor, 1 MHz	0.02	TFTEST011

CURE OVERVIEW*		
Property	Value	Test Method
Gel Time @ 80C, 10g, min	7	N/A
Cure Time @ 80C, 10g, min	60	N/A
Cure Time @ 125C, 10g, min	10	N/A
Stability @25C, hr	48	N/A

Storage:

Store material in cool, dry location at a temperature between 2°C to 8°C. Refer to packaging specific quote for shelf life information. Consult MSDS for safe handling recommendations.

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