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Features

- · Thermal Conductivity 1.1 W/mK
- · Flexible
- · Convenient volume mix ratio
- · Very low mixed viscosity
- Good adhesion to a wide variety of substrates including metals, composites, glass, ceramics, and many plastics
- · Excellent electrical insulating characteristics
- Extreme resistance to water and humidity (allows for submersion where needed)

TG-LH-FBPE-80FFast Cure Flexible Black Potting Epoxy

Hardness: 80 (Shore A)

RoHS Compliant

Applications

Electronic components - Electrical and electronic devices

Standard Sizes

Pot (Plastic Bottle) 1kg

5kg

Properties

Thermal Conductivity: 1.1 W/mK

0 0.8 1.2 1.4 1.6 1.7 1.8 2.2 3.2 3.6 4.0 4.5 5.0 15 20 0 5 10 15 20

Properties

Part A Resin

Part B Hardener

Mixed

Unit

Test Method

Thermal Conductivity

- 1.1

W/mK

ISO/DIS 22007

| Properties | Part A Resin | Part B Hardener | Mixed | Unit | Test Method |
|---------------------------------------|--------------|-------------------------|------------------|---------|---------------|
| Thermal Conductivity | - | - | 1.1 | W/mK | ISO/DIS 22007 |
| Chemical type | Ероху | Amine | - | - | - |
| Colour | Black liquid | Clear, yellowish liquid | - | - | Visual |
| Mix ratio, by weight | 2.0 | 1.0 | - | - | - |
| Viscosity, CAP2000+ viscometer, 25° C | 22,000 | 140 | 1,700 | cP | ASTM D1084 |
| Hardness, cured 50° C for 4 hours | - | - | 80 | Shore A | ASTM D2240 |
| Water boil, weight gain, 24 hour | - | - | 1.0 | % | - |
| Ionic content, Cl | - | - | >500 | ppm | - |
| Electrical resistivity | - | - | 10 ¹⁶ | ohm/cm | - |
| Filler type | Metal oxide | - | - | - | - |
| Shelf life, 25° C | 12 | 12 | - | Month | - |
| Pot life, 25° C | - | - | 1.5 | Hour | - |

Recommended Cure

| Alternative Cure | Temp. (°C) | Cure Time |
|------------------|--------------|-----------|
| А | 25 | 24 hours |
| В | 50 | 4 hours |

Storage Advice: Tightly close original container of unused product. Store in a cool and dark place.

T-Global Technology (Europe & North America) Limited

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t-Global (old version)

T-Global Technology are proud to announce the launch of a new company logo and mission statement as part of the ongoing growth and evolution of our company's brand.

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