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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)

Properties

Thermal Conductivity: 1.1 W/mK

Hardness: 65 (Shore A) 0.8 1.2 1.4 1.6 1.7 1.8 2.2 3.2 3.6 4.0 4.5 5.0 10 15 20 25 30 40 0 15 20 0 5

Properties	Part A Resin	Part B Hardener	Mixed	Unit	Test Method
Thermal Conductivity	-	-	1.1	W/mK	ASTM D5470
Chemical type	Ероху	Amine	-	-	-
Colour	Black liquid	Clear, yellowish liquid	-	-	Visual
Mix ratio, by weight	2.0	1.0	-	-	-
Viscosity, CAP2000+ viscometer, 25° C	22,200	140	3,200	cP	ASTM D1084
Hardness, cured 25° C for 7 days	-	-	65	Shore A	ASTM D2240
Water boil, weight gain, 24 hour	-	-	1.0	%	-
Ionic content, Cl	-	-	>500	ppm	-
Ionic content, K	-	-	N.D.	-	-
Ionic content, Na	-	-	N.D.	-	-
Electrical resistivity	-	-	10 ¹⁶	ohm/cm	-
Filler type	Metal oxide	-	-	-	-
Maximum Operating Temperature	-	-	200	°C	-
Glass Transition Temperature (T _g)	-	-	24	°C	-
CTE1 (Coefficient of Thermal Expansion before (T _g))	-	-	40	ppm/K	-
CTE2 (Coefficient of Thermal Expansion after (T_q))	-	-	181	ppm/K	-
Shelf life, 25° C	12	12	-	Month	-
Pot life, 25° C	-	-	6	Hour	-

Recommended Cure

Alternative Cure	Temp. (°C)	Cure Time	
A	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

t-Global

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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Applications

Electronic components - Electrical and electronic devices

Flexible Black Potting Epoxy

TG-LH-FBPE-80

REACH Compliant RoHS Compliant

Standard Sizes

Pot (Plastic Bottle) 0.75kg 3kg 15kg 30kg

Version 5

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