

**EPOXY 040208-2**
**HIGH THERMAL K EPOXY ENCAPSULANT**
**TECHNICAL DATA**
**Product Description**

Epoxy 040208-2 is a room temperature curing, two part epoxy system designed to be used to encapsulate electronic packages. This product has been formulated so as to provide the user with an easy to work with one to one by volume mix-ratio. Once encapsulated with the Epoxy 040208-2, an electronic package will exhibit a higher resistance to both physical shock as well as exposure to water and other potentially harmful chemicals.

**APPLICATIONS**

- Electronic encapsulation

**FEATURES**

- Two part convenient mix ratio
- Room temperature cure
- Moisture and chemically resistant
- Electrically insulating

**RECOMMENDED SUBSTRATES**

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class, PT A:B	Epoxy:Polyamide	N/A
Color, PT A:B	Black : Light Tan	N/A
Viscosity @ 25C, cps, PT A	19,000 - 21,000	QPTTEST001
Viscosity @ 25C, cps, PT B	23,000 -25,000	QPTTEST001
Specific Gravity, PT A:B	1.62 : 1.45	QPTTEST002
Filler Base	Silica	N/A

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore D	60-70	QPTTEST012
Moisture Resistance	Excellent	N/A
Operating Temperature Range, C	-50 to 155	N/A
CTE, C, 40 to 80, ppm	42	N/A
Peak Intermittent Temperature, C	180	N/A
Dielectric Strength, Volts/Mil	>500	N/A
Fire Retardant Rating	SE	N/A
Thermal Conductivity, BTU, in/hr-ft2, F	5.6	N/A

CURE OVERVIEW*		
Property	Value	Test Method
Mix ratio by Volume, PT A:B	1:1	N/A
Mix ratio by Weight, PT A:B	100:88	N/A
Work Life @ room temperature, min	60	N/A
Cure Time @ room temperature, hr	24-48	N/A
Cure Time @ 65C, hr	2	N/A
Cure Time @ 85C, hr	1	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 MSDS for safe handling recommendations.

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Resin Designs, LLC 11 State Street Woburn, MA 01801 www.resindesigns.com P 781-935-3133 F 781-935-3144

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