



70-3815

Thermally Conductive Epoxy Adhesive

DESCRIPTION:

70-3815 is an easy to use thermally conductive epoxy adhesive. It is formulated for electronic applications requiring fast heat dissipation. 70-3815 has a convenient one-to-one mix ratio by volume and has a spreadable non-sag thickness.

70-3815 offers fast heat dissipation for a wide range of electronic applications. The blue resin and grey hardener provide an excellent visual indication of a complete mix.

FEATURES:

- Thermally conductive
- Packaged in easy-to-use tubes
- Forms strong bonds to a variety of substrates
- Vibration and impact resistant

TYPICAL SPECIFICATIONS:

Viscosity, 25°C, cps	Thixotropic paste
Mix ratio, (Resin:Hardener)	
By Volume	1:1
Color	Blue
Hardness, Shore D	80
Operating Temperature Range, °C	-40 to +100
Working Time, 25°C	15 minutes
Specific Gravity, 25°C	2.3
Tensile Lap Shear, psi	2,200
Heat Distortion, °C	54
Dielectric Strength, V/mil	400
Thermal Conductivity, W/m-K	0.836

**INSTRUCTIONS FOR USE:**

Six-ounce tubes

1. Squeeze out equal lengths of blue epoxy and grey hardener.
2. Mix until color is uniform.
3. Cure Schedule:
 - a) 25° C 8 hours
 - b) 65° C 45 minutes

STORAGE, HANDLING & SAFETY:

Store both components at 25 °C in original containers. Store away from excessive heat and humidity. The expected shelf life is 12 months in original containers.

Please read the Safety Data Sheet before using this or any other chemical.

AVAILABILITY:

70-3815 is available in gallon containers.

IMPORTANT:

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