

TC-9042
Thermally Conductive Epoxy
Aluminum Filled, Two-Part, High Strength

HANDLING & CURING	
Filler	Aluminum
Mix Ratio by Weight, resin : hardener	100:12
Mixed Specific Gravity, gms/cc @25 °C	1.66
Mixed Viscosity, cP @25 °C	10,000
Pot Life, 100 gm mass @25 °C, hrs	≤1.0
Recommended Cure, hr/ °F	24/100 + 2/200
Alternate Cure, hr/ °F	24/RT + 2/200
CURED PROPERTIES	
Temperature Resistance, °C	-75/+300
CTE, in/in/°F x 10⁻⁶(°C)	25 (45)
Thermal Conductivity, Btu-in/hr-ft²-°F	12.5
Tensile Shear Strength, psi	1,800
Volume Resistivity, ohms-cm	1.0 x 10 ⁵
Dielectric Strength, volts-mil	50
Chemical Resistance	Good
Color	Grey

General Information

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Shelf Life

This product has a six months minimum shelf life after date of manufacture, unless otherwise specified, in original, unopened containers.

Note

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