UHTE-5322
Ultra High Temperature Epoxy
Aluminum-Filled, Low Shrinkage, High Thermal Conductivity

HANDLING & CURING	
Mix Ratio by Weight, resin : hardener	100:12
Specific Gravity, gms/cc @25℃	1.66
Mixed Viscosity, cP @25℃	11,000
Pot Life, 100 gm mass @25℃, hrs	≤1.0
Recommended Cure, hr/℉	24/100 +2/200
Alternate Cure, hr/ ℉	24/RT +2/200
CURED PROPERTIES	
Temperature Resistance, ℉	-103/572
Temperature Resistance, ℃	-75/300
CTE, in/in/℉ x 10^{-6}(℃)	25 (45)
Thermal Conductivity, Btu-in/hr-ft^2-℉	12.5
Tensile Shear Strength, psi*[1]	1,800
Flexural Strength, psi	15,500
Volume Resistivity, ohms-cm	1.0 x 10^5
Dielectric Strength, volts-mil	50
Chemical Resistance	Good
Hardness, Shore D	87
Color	Grey
Cure Shrinkage, in/in*[2]	.003

*[1] Tested according to ASTM D1002-94. This is a method for determining the shear strength of a single lap-joint metal coupons in tension loading.
*[2] Linear shrinkage is measured using a 3/4 lb casting mass.

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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