EPOXIES
INNOVATIVE BONDING SOLUTIONS ETC.

TECHNICAL BULLETIN

20-3290
POTTING, ENCAPSULATING & CASTING EPOXY RESIN

DESCRIPTION:
20-3290 is a high temperature two-part epoxy system. This system has low coefficient of thermal expansion, good thermal shock resistance and high temperature service. 20-3290 is used in a wide variety of electronic potting and encapsulating applications.

TYPICAL SPECIFICATIONS:

Viscosity, 25°C, cps	24,000
Mix Ratio, (Resin:Curing Agent)	
By Weight	2:3
Color	Natural or Black
Hardness, Shore D	75
Operating Temperature Range, °C	-70 to +260
Pot Life, 100 grams, 25°C	24 hours
Specific gravity, 25°C	1.39
Water Absorption, 24 hrs, 25°C	0.2
Tensile Strength, psi	7,300
Compressive Strength, psi	19,000
Thermal Conductivity, W/m-K	0.58
Dielectric strength V/mil	400
Dielectric constant, 60 Hz	4.0
Dissipation factor, 60 Hz	0.02
Volume resistivity, ohm-cm	5×10^{15}

INSTRUCTIONS FOR USE:
1. Resin and Catalyst may be pre-heated to 80°C before mixing to reduce the viscosity.
2. By weight thoroughly mix two parts 20-3290R Epoxy Resin to three parts 20-3290C Curing Agent.
3. Pour and cure for 4 hours at 90-100°C.

STORAGE, HANDLING & SAFETY:
Store both components at 25 °C in original containers. The expected shelf life is 12 months in original containers.

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

AVAILABILITY:
20-3290 is available in quart and gallon containers.

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