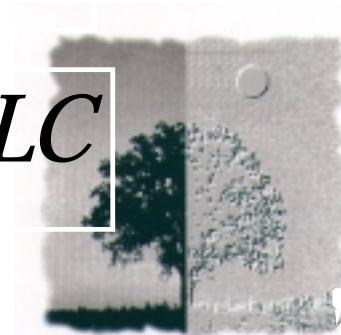


RESIN TECHNOLOGY GROUP, LLC

PRODUCT DATA SHEET



CASTING SYSTEM Two-Component Epoxy

OXY-CAST 6850 FTLV with HARDENER XL

Epoxy Casting System, Versatile High Thermal Conductivity

Description:

OXY-CAST 6850 FTLV with HARDENER XL is a low viscosity, versatile epoxy casting system that exhibits unusually high thermal conductivity and low thermal expansion. It is recommended for electronic/electrical casting and encapsulating applications that require a unique combination of excellent wetting, flow, good thermal expansion coefficients, thermal shock resistance, high heat transfer capabilities and outstanding electrical properties. Fully cured OXY-CAST 6850 FTLV with HARDENER XL is highly resistant to weather, water, gases and vapors, petroleum lubricants and fuels and many mild acids and alkalis.

Applications:

OXY-CAST 6850 FTLV with HARDENER XL is excellent in high voltage applications, such as power supplies, transformers, bushings and insulators.

Physical Properties:

Color:	Black
Operating Temperature Range, °C:	205
Specific Gravity:	2.3
Tensile Strength, psi:	>6,000
Compressive Strength, psi:	12,000
Hardness, Shore D:	95
Thermal Conductivity, BTU (in)/(ft ²)(hr) °F:	10.1
Dielectric Strength, Volts/Mil:	550
Dissipation Factor, 1000KHz @ 25°C:	.0024

Handling Characteristics:

Mix-Ratio by Weight, Resin to Hardener:	100 to 2
Mixed Viscosity @ 25°C, cps:	10,000
Cure Schedule @ 100°C:	10 Minutes
Cure Schedule @ 150°C:	5 Minutes

Storage:

Store below 25°C out of sunlight and in original unopened containers. Refer to packaging specific quote for shelf life information.