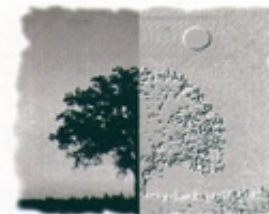


RESIN TECHNOLOGY GROUP, LLC



CASTING SYSTEM Epoxy Casting System

KONA 870 FT with HARDENER #7 High Thermal K Casting System

Description

KONA 870 FT with HARDENER #7 is a 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 KONA 870 FT with HARDENER #7 is highly resistant to weather, water, gases and vapors, petroleum lubricants and fuels and many mild acids and alkalis.

Applications

KONA 870 FT is a versatile epoxy casting system which may be cured with a room temperature or elevated temperature curing agent. Select the catalyst which best suits your requirements.

Physical Properties

Color:	Black
(other colors available upon request)	
Operating Temperature Range, °C:	121
Specific Gravity:	2.3
Tensile Strength, psi	7,150
Compressive Strength, psi:	14,100
Hardness, Shore D:	89
Thermal Conductivity, BTU in/ft ² hr °F:	10
Dielectric Strength, Volts/Mil:	520
Dissipation Factor, 1000 KHz, 25°C:	0.0024

Handling Characteristics

Mix-Ratio by Weight, Resin to Hardener:	100 to 7
Mixed Viscosity @ 25°C, cps:	15,000
Pot Life, 1 lb	30 Minutes
Cure Schedule @ Room Temp	24 Hours
Cure Schedule @ 150°F:	2 Hours

Storage and Shelf Life

Shelf life is one year when stored below 90°F out of sunlight and in original unopened containers of pints or greater. Shelf life will vary with specialty packaging.

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Date of Revision: 10/30/2000

Supersedes: All Previous Versions

Page 1 of 1

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