

Resin Technology Group KONA 870FT-FR Fire Retardant Epoxy Casting System

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Mix ratio 100 to 4 by weight. KONA 870 FTFR with HARDENER #9 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 coefficient, thermal shock resistance, high heat transfer capabilities and outstanding electrical properties. Fully cured KONA 870 FTFR with HARDENER #9 is highly resistant to water, weather, gases and vapors, petroleum lubricants and fuels, and many mild acids and alkalis. This system is room temperature curing with a 45 minute pot life (1 pound mass), has a high viscosity with good handling properties, and is tough and rigid at all temperatures to 300°F. Information provided by Resin Technology Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resin-Technology-Group-KONA-870FT-FR-Fire-Retardant-Epoxy-Casting-System.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.30 g/cc	2.30 g/cc	
Viscosity	90000 cP @Temperature 25.0 °C	90000 cP @Temperature 77.0 °F	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	91	91	
Tensile Strength at Break	53.1 MPa	7700 psi	
Compressive Strength	105 MPa	15200 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.44 W/m-K	10.0 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Air	151 °C	304 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	21.1 kV/mm	536 kV/in	
Dissipation Factor	0.0020 @Frequency 1e+6 Hz	0.0020 @Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	

Processing Properties	@Temperature 150 °C Metric	@Temperature 302 °F English	Comments
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China