

Resin Technology Group KONA 871 Low Cost Epoxy Resin

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

Material Notes:

Mix ratio 100 to 25 by weight. Kona 871 is a low cost epoxy resin system developed for production casting, potting, encapsulating and coating applications where easy handling, good flowability and low thermal coefficient of expansion over a wide temperature is required. Kona 871 with its good exotherm, pot life and pouring characteristics is especially suited for large mass castings as well as for other industrial and electronic large pour applications. It develops excellent adhesion to rigid plastics, laminates, ceramics and metals, has a low coefficient of thermal expansion, and can be readily machined with ordinary shop tools. The fully cured system is a good electrical insulator and is compatible with electrical components, has good resistance to water, weather, gases and vapors and to many commercial organic and inorganic compounds including mild acids and alkalis, many corrosive salts, jet fuels and petroleum products and lubricants. Applications: Kona 871 is a versatile epoxy casting system, which may be cured with a room temperature or elevated temperature-curing agent. Select the catalyst that best suits your requirements. Information provided by Resin Technology Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resin-Technology-Group-KONA-871-Low-Cost-Epoxy-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	
Viscosity	15000 cP @Temperature 25.0 °C	15000 cP @Temperature 77.0 °F	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	
Compressive Strength	>= 96.5 MPa	>= 14000 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	
Dissipation Factor	0.020 @Frequency 1e+6 Hz	0.020 @Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min @Temperature 150 °C	0.500 hour @Temperature 302 °F	

Processing Properties	720 - 1080 min Metric	12.0 - 18.0 hour English	Comments
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Black	

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