

Cytec (Conap) FR-1047 / EA-02 Conapoxy® Resin / Conacure® Hardener

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Encapsulant , Unreinforced

Material Notes:

Epoxy Potting and Encapsulating Systems for Electronic Applications High technology epoxy resin systems for potting and encapsulation, for the defense, aerospace, electronics, computer, automotive and related industries. Cytec (Conap) FR-1047 / EA-02 Conapoxy® Resin / Conacure® Hardener Flame retardant (UL 94V-0), non-abrasive epoxy system. It has excellent resistance to thermal shock, low exotherm, and good electrical properties typified by very good arc resistance. Mix Ratio, Resin/Hardener (by weight): 100/4.5 Cure Type: Room Temperature

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cytec-Conap-FR-1047-EA-02-Conapoxy-Resin-Conacure-Hardener.php

Physical Properties	Metric	English	Comments
Viscosity	20000 cP @Temperature 25.0 °C	20000 cP @Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 2.00e+15 ohm-cm	<= 2.00e+15 ohm-cm	
Dielectric Constant	6.3 @Frequency 1000 Hz	6.3 @Frequency 1000 Hz	
Dielectric Strength	15.7 kV/mm	400 kV/in	
Dissipation Factor	0.059 @Frequency 1000 Hz	0.059 @Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	1440 min @Temperature 25.0 °C	24.0 hour @Temperature 77.0 °F	
Pot Life	55.0 min @Temperature 25.0 °C	55.0 min @Temperature 77.0 °F	100 grams

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