

Cytec (Conap) FR-1046 / EA-117 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-1046 / EA-117 Conapoxy® Resin / Conacure® Hardener High heat distortion, filled, non-abrasive, low shrinkage, low exotherm system with excellent thermal shock resistance. Mix Ratio, Resin/Hardener (by weight): 100/10 Cure Type: Elevated Temperature

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cytec-Conap-FR-1046-EA-117-Conapoxy-Resin-Conacure-Hardener.php

Physical Properties	Metric	English	Comments
Viscosity	10000 cP	10000 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	155 °C	311 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 1.00e+16 ohm-cm	<= 1.00e+16 ohm-cm	
Dielectric Constant	5.2	5.2	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	14.8 kV/mm	375 kV/in	
Dissipation Factor	0.0040	0.0040	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 150 °C	@Temperature 302 °F	
Pot Life	480 min	480 min	100 grams
	@Temperature 25.0 °C	@Temperature 77.0 °F	

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