

## Cytec (Conap) FR-1080 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-1080 Conapoxy® Resin / Conacure® Hardener An unfilled low viscosity system with high temperature operating capabilities. Mix Ratio, Resin/Hardener (by weight): 100/83 Cure Type: Elevated Temperature

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cytec-Conap-FR-1080-Conapoxy-Resin-Conacure-Hardener.php](http://www.lookpolymers.com/polymer_Cytec-Conap-FR-1080-Conapoxy-Resin-Conacure-Hardener.php)

Physical Properties	Metric	English	Comments
Viscosity	2500 cP	2500 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	180 °C	356 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 9.70e+16 ohm-cm	<= 9.70e+16 ohm-cm	
Dielectric Constant	3.12	3.12	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	23.6 kV/mm	600 kV/in	
Dissipation Factor	0.0040	0.0040	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	180 min	3.00 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	240 - 960 min	4.00 - 16.0 hour	
	@Temperature 120 °C	@Temperature 248 °F	
Pot Life	>= 120 min	>= 120 min	100 grams

Processing Properties	@Temperature 25.0 °C Metric	@Temperature 77.0 °F English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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