

Resin Technology Group TIGA 108 Room Temperature Curing Epoxy Adhesive

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

Material Notes:

1 to1 mix ratio by volume.TIGA 108 is an epoxy adhesive system that provides excellent bond strength to most substrates. Recommended for production bonding applications, this low viscosity formulation can be easily dispensed and mixed in convenient one to one mix ratios. TIGA 108 is a gap fill adhesive which forms water resistant bonds, therefore is ideal for bonding applications where substrates will be subjected to water or high humidity environments for long periods of time.Applications: This product bonds well to iron, aluminum, bronze, brass, wood concrete, ceramic materials and glass. It maintains a resistance not only to water, but oil and gasoline as well. Cures to smooth glass like finish.Information provided by Resin Technology Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resin-Technology-Group-TIGA-108-Room-Temperature-Curing-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	
Viscosity	19000 cP @Temperature 25.0 °C	19000 cP @Temperature 77.0 °F	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 µm/m-°C @Temperature 20.0 °C	27.8 µin/in-°F @Temperature 68.0 °F	
Maximum Service Temperature, Air	135 °C	275 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 ohm-cm	10 ohm-cm	
Dielectric Constant	3.0 @Frequency 1e+6 Hz	3.0 @Frequency 1e+6 Hz	
Dielectric Strength	>= 16.5 kV/mm	>= 420 kV/in	
Dissipation Factor	0.020 @Frequency 1e+6 Hz	0.020 @Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	8.00 - 12.0 min	8.00 - 12.0 min	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Clear, black, or white	

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