

## Tra-Con Tra-Bond FDA8 Food and Drug Application Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND FDA-8 EPOXY ADHESIVE is a low viscosity epoxy resin system specifically developed for bonding and coating applications in accordance with Title 21, U.S. Code of Federal Regulations, Food and Drug Administration (FDA) Chapter 1, Sub Part B, Sections 175.105 and 175.300. This two-part amber adhesive is easily mixed, used and cured at room temperature for bonding, laminating and repair applications by manufacturers of food preparation, processing and packaging equipment, and by manufacturers of catheters, hearing aids, dental products and other biomedical instruments and devices. TRA-BOND FDA-8 EPOXY ADHESIVE is an effective electrical insulator, and it provides low permeability to gases and vapors, and good resistance to water, weather, galvanic action, to petroleum solvents, lubricants and fuels, to mild acids and alkalis, and to many other organic and inorganic compounds. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-FDA8-Food-and-Drug-Application-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-FDA8-Food-and-Drug-Application-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	1500 cP @Temperature 25.0 °C	1500 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	

Thermal Properties	Metric	English	Comments
CTE, linear	53.0 µm/m-°C @Temperature 20.0 °C	29.4 µin/in-°F @Temperature 68.0 °F	
Maximum Service Temperature, Air	145 °C	293 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Constant	3.35 @Frequency 1000 Hz	3.35 @Frequency 1000 Hz	
Dielectric Strength	16.1 kV/mm	410 kV/in	
	0.020	0.020	

Designation Factor Electrical Properties	Metric @Frequency 1000 Hz	English @Frequency 1000 Hz	Comments
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Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	45 min	45 min	

Descriptive Properties	Value	Comments
Color	Amber	
Mix Ratio, parts by weight	100/100	Resin/Hardener
Thixotropic Index	1	

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