

## Tra-Con Tra-Bond FDA23 Food and Drug Application Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND FDA-23 is a high 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 tan 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-23 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-FDA23-Food-and-Drug-Application-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-FDA23-Food-and-Drug-Application-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	65000 cP @Temperature 25.0 °C	65000 cP @Temperature 77.0 °F	Mixed (cp #52, 5 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	
Elongation at Yield	5.0 %	5.0 %	
Adhesive Bond Strength	14.5 MPa	2100 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
CTE, linear	47.0 µm/m-°C @Temperature 20.0 °C	26.1 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	1.50e+14 ohm-cm	1.50e+14 ohm-cm	
Dielectric Constant	3.5 @Frequency 1000 Hz	3.5 @Frequency 1000 Hz	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.020	0.020	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 240 min	1.00 - 4.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	180 min	180 min	

Descriptive Properties	Value	Comments
Color	Light Tan	
Mix Ratio, parts by weight	100/32	Resin/Hardener
Thixotropic Index	1.2	5 rpm/50 rpm

## Contact Songhan Plastic Technology Co.,Ltd.

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