

Atom Adhesives AA-BOND FDA8 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND FDA8 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. Appearance: Amber Cure Type: Heat cure or Room Temperature Benefits: Low viscosity Easily mixed Effective electrical insulator Low permeability to gases and vapors Mix Ratio by weight: 100:100/Resin:Hardener Typical Application: FDA Grade Applications, food packaging, indirect contact with food and medical applications Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-FDA8-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	mixed, uncured
Solids Content	100 %	100 %	reactive, uncured
Viscosity	1500 cP	1500 cP	After mixing, uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	cured

Thermal Properties	Metric	English	Comments
CTE, linear	52.9 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	29.4 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
Maximum Service Temperature, Air	145 $^\circ\text{C}$	293 $^\circ\text{F}$	
Minimum Service Temperature, Air	-70.0 $^\circ\text{C}$	-94.0 $^\circ\text{F}$	

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

Processing Properties	Metric	English	Comments
	240 min	4.00 hour	

Cure Time Processing Properties	Metric @ Temperature 65.0 °C	English @ Temperature 149 °F	Comments
	1440 min	24.0 hour	
	@ Temperature 25.0 °C	@ Temperature 77.0 °F	
Pot Life	45.0 min	45.0 min	uncured

Descriptive Properties	Value	Comments
Thixotropic Index	1	

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