

## Atom Adhesives AA-BOND FS227 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

### Material Notes:

AA-BOND FS227 is a thixotropic polymer epoxy/polyamide system developed for industrial adhesive and sealing applications where the combination of high fill, easy handling, good wetting, toughness, and superior mechanical properties are required. Appearance: AmberCure Type: Heat cure or Room Temperature Benefits: High fill Easy handling Good wetting Toughness High Temp Fast cure Low Viscosity Substrates: Most material surfaces, including many metals, rigid plastics, glass, ceramics, leather, rubber, wood and concrete Typical Application: Industrial adhesive and sealing applications where the combination of high fill, easy handling, good wetting, toughness, and superior mechanical properties are required. Information provided by Atom Adhesives

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Atom-Adhesives-AA-BOND-FS227-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-FS227-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	mixed, uncured
Viscosity	600 cP	600 cP	uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	
Tensile Strength, Yield	37.2 MPa	5400 psi	
Elongation at Yield	10 %	10 %	
Shear Strength	17.2 MPa	2500 psi	Lap, Alum to Alum

Thermal Properties	Metric	English	Comments
CTE, linear	64.1 $\mu\text{m}/\text{m}\cdot\text{°C}$	35.6 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Maximum Service Temperature, Air	110 °C	230 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	70.0 °C	158 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.20e+14 ohm-cm	1.20e+14 ohm-cm	
Dielectric Constant	3.35	3.35	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	18.1 kV/mm	460 kV/in	

Electrical Properties	0.010 Metric	0.010 English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	

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	75.0 min	75.0 min	uncured

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China