

Atom Adhesives AA-BOND 2153 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND 2153 is a thixotropic (smooth paste) thermal conductive epoxy system that passes the NASA Outgassing Specification. It is used for staking transistors, diodes, resistors, integrated circuits and other heat-sensitive components to printed circuit boards. AA-BOND 2153 is two parts adhesive develops strong, durable, high impact bonds at room temperature which improve heat transfer while maintaining electrical insulation. AA-BOND 2153 bonds to itself and to metals, silica, alumina, others ceramics, glass, plastics and many other materials. AA-BOND 2153 provides excellent resistance to salt solutions, mild acids and alkalis, and many other chemicals. Appearance: Dark Grey Cure Type: Heat cure or Room Temperature Benefits: Strong Durable High impact bonds at room temperature Mix Ratio by weight: 100:7/Resin:Hardener Typical Application: Staking transistors, diodes, resistors, integrated circuits and other heat-sensitive components to printed circuit boards Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-2153-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.44 g/cc	2.44 g/cc	uncured
Solids Content	100 %	100 %	reactive, uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	10.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Thermal Conductivity	1.00 W/m-K	6.94 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	110 °C	230 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Glass Transition Temp, Tg	110 °C	230 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.50e+15 ohm-cm	5.50e+15 ohm-cm	
	4.00e+13 ohm-cm	4.00e+13 ohm-cm	
	@Temperature 100 °C	@Temperature 212 °F	
Dielectric Constant	6.0	6.0	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

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

Processing Properties	Metric	English	Comments
Cure Time	120 - 240 min	2.00 - 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	30.0 min	30.0 min	uncured
Shelf Life	12.0 Month	12.0 Month	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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