

## Atom Adhesives AA-BOND 2116 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

### Material Notes:

AA-BOND 2116 is a thixotropic, low vapor pressure epoxy system that passes the NASA Outgassing Specification. It is recommended for critical electronics, aerospace, and industrial applications where a high-fill, non-sag reliable adhesive is required for bonding and enhancing the mechanical and structural rigidity of assemblies. AA-BOND 2116 is two-part, solvent-free compound is readily mixed, handled, used, and cured at room temperature, and develops strong bonds to most clean, dry material surfaces including metals, glass, ceramics, wood and many plastics. AA-BOND 2116 bonds provide electrical insulation and excellent resistance to weather, galvanic action, petroleum solvents and lubricants, gasoline, jet fuels, alcohol, salts, and mild acids and alkalis. Appearance: Milky, transparent Cure Type: Heat cure or Room Temperature Benefits: Passes NASA's Outgassing/Low Outgassing Solvent free Weather resistant Mix Ratio by weight: 100:22/Resin:Hardener Substrates: Ceramics, glass to glass, fabrics, metals, laminates and other composite materials Information provided by Atom Adhesives

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Atom-Adhesives-AA-BOND-2116-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-2116-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	
Solids Content	100 %	100 %	reactive, uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	

Thermal Properties	Metric	English	Comments
CTE, linear	55.1 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	30.6 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+13 ohm-cm	6.00e+13 ohm-cm	
	1.00e+10 ohm-cm	1.00e+10 ohm-cm	
	@Temperature 100 °C	@Temperature 212 °F	

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 Processing Properties	30.0 min Metric	30.0 min English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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