

## Atom Adhesives AA-BOND F156 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

### Material Notes:

AA-BOND F156 is a black, solvent free thixotropic epoxy recommended for high quality photographic industry, laminating, production and repair applications where a room temperature cure optically opaque adhesive for light sensitive components is required. AA-BOND F156 is two parts smooth paste formulation is easy to use, develops strong bonds to itself and to most materials. AA-BOND F156 exhibits low shrinkage during cure, has excellent dimensional stability over a wide temperature range. Appearance: Black, Opaque Cure Type: Heat cure or Room Temperature Benefits: Easy to use Good low-temperature structural, physical and electrical properties It's resistant to water, weater, gases, salts, mild acids, alkalis, and many organic and inorganic compounds Mix Ratio by weight: 100:12/Resin:Hardener Substrates: Glass and glass fabrics, ceramics, leather, metals and many plastics Typical Application: High quality photographic industry bonding, laminating, production and repair applications where a room-temperature cure optically opaque adhesive for light sensitive components is required Information provided by Atom Adhesives

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Atom-Adhesives-AA-BOND-F156-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-F156-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.57 g/cc	1.57 g/cc	uncured
Solids Content	100 %	100 %	reactive, uncured
Viscosity	50000 cP	50000 cP	After mixing, uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	cured

Thermal Properties	Metric	English	Comments
CTE, linear	32.9 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	18.3 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
Maximum Service Temperature, Air	130 $^\circ\text{C}$	266 $^\circ\text{F}$	
Minimum Service Temperature, Air	-60.0 $^\circ\text{C}$	-76.0 $^\circ\text{F}$	
Glass Transition Temp, Tg	95.0 $^\circ\text{C}$	203 $^\circ\text{F}$	cured

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.3	4.3	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	15.4 kV/mm	390 kV/in	

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	30.0 min	30.0 min	

## Contact Songhan Plastic Technology Co.,Ltd.

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