

## Aremco Aremco-Bond™ 820 High Performance Epoxide

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

Clear, 1:1, 45-Minute Cure System with Good Flexibility

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Aremco-Bond-820-High-Performance-Epoxye.php](http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-820-High-Performance-Epoxye.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	
Viscosity	12000 cP	12000 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Flexural Strength	55.2 MPa	8000 psi	ASTM D790
Shear Strength	8.27 MPa	1200 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	28.8 $\mu\text{m}/\text{m}\cdot\text{°C}$	16.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	
Shrinkage	0.80 %	0.80 %	Cure Shrinkage

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+14 ohm-cm	2.00e+14 ohm-cm	
Dielectric Constant	6.0	6.0	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	33.9 kV/mm	860 kV/in	
Dissipation Factor	0.040	0.040	

Processing Properties	Metric	English	Comments
Cure Time	45.0 min	0.750 hour	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Processing Properties	Metric <sub>in</sub>	English <sub>in</sub>	Comments
Pot Life	@Temperature 25.0 °C	@Temperature 77.0 °F	100 gm mass

Descriptive Properties	Value	Comments
Chemical Resistance	Excellent	
Color	Clear	
Mix Ratio By Weight	1:1	resin:hardener

## Contact Songhan Plastic Technology Co.,Ltd.

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