

## Aremco Aremco-Bond™ 568 High Performance Epoxide

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

Aluminum-Filled, 1:1, Good Bond Strength and High Thermal Conductivity.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Aremco-Bond-568-High-Performance-Epoxyide.php](http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-568-High-Performance-Epoxyide.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.850 g/cc	0.850 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	
Flexural Strength	78.6 MPa	11400 psi	ASTM D790
Shear Strength	17.2 MPa	2500 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	59.4 $\mu\text{m}/\text{m}\cdot\text{°C}$	33.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	1.30 W/m-K	9.00 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	
Shrinkage	0.20 %	0.20 %	Cure Shrinkage

Electrical Properties	Metric	English	Comments
Volume Resistivity	1e+05	1e+05	
Dielectric Strength	3.15 kV/mm	80.0 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Cure
	@Temperature 93.3 °C	@Temperature 200 °F	
	1440 - 2880 min	24.0 - 48.0 hour	Alternate Cure
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	240 min	240 min	

Pot Life	Metric	English	100 gm mass
Processing Properties	@ Temperature 25.0 °C	@ Temperature 77.0 °F	Comments

Descriptive Properties	Value	Comments
Chemical Resistance	Excellent	
Color	Gray	
Mix Ratio By Weight	1:1	resin:hardener
Mixed Viscosity	Paste	

## Contact Songhan Plastic Technology Co.,Ltd.

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