

Aremco Aremco-Bond™ 526N High Performance Epoxide

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

Clear-Amber, 1:1 System for Tough Bonding Applications Also available filled with aluminum oxide (Alumina) or pigments

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Aremco-Bond-526N-High-Performance-Epoxye.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	
Viscosity	8500 cP	8500 cP	Mixed Viscosity

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	
Flexural Strength	124 MPa	18000 psi	ASTM D790
Shear Strength	19.3 MPa	2800 psi	ASTM D1002-94

Thermal Properties	Metric	English	Comments
CTE, linear	32.4 $\mu\text{m}/\text{m}\cdot\text{°C}$	18.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	300 °C	572 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Shrinkage	1.0 %	1.0 %	Cure Shrinkage

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.00e+14 ohm-cm	4.00e+14 ohm-cm	
Dielectric Constant	3.01	3.01	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	17.7 kV/mm	450 kV/in	
Dissipation Factor	0.010	0.010	

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	2 hrs at 200°F; 2 hrs at 325°F (Recommended Cure)

Processing Properties	180 - 240 min Metric	3.00 - 4.00 hour English	Comments
	@Temperature 149 °C	@Temperature 300 °F	
Pot Life	150 min @Temperature 25.0 °C	150 min @Temperature 77.0 °F	100 gm mass

Descriptive Properties	Value	Comments
Chemical Resistance	Good	
Color	Amber	
Mix Ratio By Weight	1:1	resin:hardener

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