

Atom Adhesives AA-BOND 428 Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

AA-BOND 428 is a two part, heat-resistant and low exotherm, epoxy adhesive formulation. It is a 100% solid epoxy adhesive, with superior chemical resistance and shear strength. AA-BOND 428 contains a thixotropic agent which impedes thinning out of the material during heat cure when properly mixed and cured
 Appearance: Amber
 Cure Type: Heat cure or Room Temperature
 Benefits: Room temperature of heat cure
 Tough enamel like cure
 Bonds variety of substrates
 Weather resistant
 Mix Ratio by weight: 100:100/Resin:Hardener
 Substrates: Metals, glass, ceramics, wood and many plastics
 Typical Application: Staking components, bonding, laminating and repair applications
 Information provided by Atom Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Atom-Adhesives-AA-BOND-428-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	uncured
Solids Content	100 %	100 %	reactive, uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	
Shear Strength	20.0 MPa	2900 psi	Lap, Alum to Alum

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	163 °C	325 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	93.0 °C	199 °F	

Processing Properties	Metric	English	Comments
Cure Time	240 - 360 min	4.00 - 6.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	60.0 min	60.0 min	uncured

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