

Armstrong A-702 Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Information provided by Ellsworth Adhesives.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Armstrong-A-702-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	20000 cP	20000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	
Tensile Strength, Ultimate	30.3 MPa	4400 psi	after optimum cure
Elongation at Break	1.2 %	1.2 %	
Adhesive Bond Strength	34.8 MPa	5050 psi	Steel-Steel; after optimum cure
	6.21 MPa @Temperature 82.2 °C	900 psi @Temperature 180 °F	Aluminum-Aluminum tensile shear
	6.89 MPa @Temperature -54.4 °C	1000 psi @Temperature -66.0 °F	Aluminum-Aluminum tensile shear
	14.8 MPa @Temperature 25.0 °C	2150 psi @Temperature 77.0 °F	Aluminum-Aluminum tensile shear

Thermal Properties	Metric	English	Comments
CTE, linear	58.0 µm/m-°C @Temperature 20.0 °C	32.2 µin/in-°F @Temperature 68.0 °F	
Glass Transition Temp, Tg	144 °C	291 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	204 °C	400 °F	Optimum cure is 1 hr. @ 400°F
Pot Life	99999 min @Temperature 25.0 °C	99999 min @Temperature 77.0 °F	Indefinite working life at 25°C (100 g)

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Amber Value	Comments
Mix Ratio	1 Part	

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