

Armstrong A-5/E 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-5E-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	13000 cP	13000 cP	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	
Tensile Strength, Ultimate	29.0 MPa	4200 psi	after optimum cure
Elongation at Break	1.8 %	1.8 %	
Adhesive Bond Strength	53.8 MPa	7800 psi	Steel-Steel; after optimum cure
	11.4 MPa @Temperature 25.0 °C	1650 psi @Temperature 77.0 °F	Aluminum-Aluminum tensile shear
	14.8 MPa @Temperature -54.4 °C	2150 psi @Temperature -66.0 °F	Aluminum-Aluminum tensile shear
	17.2 MPa @Temperature 82.2 °C	2500 psi @Temperature 180 °F	Aluminum-Aluminum tensile shear

Thermal Properties	Metric	English	Comments
CTE, linear	69.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 20.0 °C	38.3 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 68.0 °F	
Glass Transition Temp, Tg	100 °C	212 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	93.3 °C	200 °F	Optimum cure is 1 hr. @ 200°F
Pot Life	120 - 180 min @Temperature 25.0 °C	120 - 180 min @Temperature 77.0 °F	100 g

Descriptive Properties	Value	Comments
------------------------	-------	----------

Color Descriptive Properties	Silver Value	Comments
Mix Ratio	100/10	By Weight

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China