

Armstrong X-81-A/F 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-X-81-AF-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	5000 cP	5000 cP	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	
Tensile Strength, Ultimate	44.5 MPa	6450 psi	after optimum cure
Elongation at Break	2.3 %	2.3 %	
Adhesive Bond Strength	30.7 MPa	4450 psi	Steel-Steel; after optimum cure
	10.3 MPa @Temperature 82.2 °C	1500 psi @Temperature 180 °F	Aluminum-Aluminum tensile shear
	11.0 MPa @Temperature 25.0 °C	1600 psi @Temperature 77.0 °F	Aluminum-Aluminum tensile shear
	14.1 MPa @Temperature -54.4 °C	2050 psi @Temperature -66.0 °F	Aluminum-Aluminum tensile shear

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 µm/m-°C @Temperature 20.0 °C	10.0 µin/in-°F @Temperature 68.0 °F	
Glass Transition Temp, Tg	104 °C	219 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	22.2 °C	72.0 °F	
	73.9 °C	165 °F	Optimum cure is 2 hr. @ 165°F
Pot Life	<= 6.00 min @Temperature 25.0 °C	<= 6.00 min @Temperature 77.0 °F	100 g

Descriptive Properties	Value	Comments
Color	White	
Mix Ratio	100/20/10	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