

Armstrong A-2/H20 Epoxy Adhesive

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

Material Notes:

This off-white paste epoxy is a versatile adhesive systems. The choice of one of four recommended Activators (A, E, W or H-20) makes A-2 Adhesive an ideal choice for many applications. A-2 with Activators W or H-20 has a very low thermal expansion coefficient, especially important for bonding ceramics, porcelain, etc. A-2 with Activator A is qualified under Mil. Spec. MIL-A-47284 (MI). Information provided by Ellsworth Adhesives.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Armstrong-A-2H20-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	15000 cP	15000 cP	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	
Tensile Strength, Ultimate	34.5 MPa	5000 psi	after optimum cure
Elongation at Break	1.9 %	1.9 %	
Adhesive Bond Strength	44.5 MPa	6450 psi	Steel-Steel; after optimum cure
	6.89 MPa @Temperature 82.2 °C	1000 psi @Temperature 180 °F	Aluminum-Aluminum tensile shear
	10.3 MPa @Temperature -54.4 °C	1500 psi @Temperature -66.0 °F	Aluminum-Aluminum tensile shear
	12.1 MPa @Temperature 25.0 °C	1750 psi @Temperature 77.0 °F	Aluminum-Aluminum tensile shear

Thermal Properties	Metric	English	Comments
CTE, linear	58.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	32.2 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	
Glass Transition Temp, Tg	58.0 °C	136 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	22.2 °C	72.0 °F	
	93.3 °C	200 °F	Fast cure is 10 min. @ 200°F

Processing Properties	93.3 °C Metric	200 °F English	Optimum cure is 30 min. @ 200 °F Comments
Pot Life	<= 90.0 min @Temperature 25.0 °C	<= 90.0 min @Temperature 77.0 °F	100 g

Descriptive Properties	Value	Comments
Color	White	
Mix Ratio	10/1	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