

Armstrong A-7 Epoxy Adhesive

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

Material Notes:

Clear, flexible, 5-minute cure structural bonding plastic adhesive. Develops high performance, high impact durable bonds for operating temperatures from -65° to +250°. Supplied in 1:1 ratio dispense kits for easy application. Information provided by Ellsworth Adhesives.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Armstrong-A-7-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	20000 cP	20000 cP	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	
Tensile Strength, Ultimate	37.9 MPa	5500 psi	after optimum cure
Elongation at Break	8.0 %	8.0 %	
Adhesive Bond Strength	35.2 MPa	5100 psi	Steel-Steel; after optimum cure
	11.7 MPa @Temperature 82.2 °C	1700 psi @Temperature 180 °F	Aluminum-Aluminum tensile shear
	16.9 MPa @Temperature -54.4 °C	2450 psi @Temperature -66.0 °F	Aluminum-Aluminum tensile shear
	24.8 MPa @Temperature 25.0 °C	3600 psi @Temperature 77.0 °F	Aluminum-Aluminum tensile shear

Thermal Properties	Metric	English	Comments
CTE, linear	65.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	36.1 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	
Glass Transition Temp, Tg	55.0 °C	131 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	22.2 °C	72.0 °F	
	73.9 °C	165 °F	Optimum cure is 20 min. @ 165°F

Processing Properties	Metric ± 5.00 min	English ± 5.00 min	Comments
Pot Life	@Temperature 25.0 °C	@Temperature 77.0 °F	100 g

Descriptive Properties	Value	Comments
Color	Clear	
Mix Ratio	100/100	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