

## Armstrong A-12-T Epoxy Adhesive

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

### Material Notes:

Provides the same basic properties as A-12, but in thixotropic, non-sag, easily-brushable paste form. An ideal material for use where adhesive flow during cure cannot be tolerated. A-12-T meets the requirements of Mil. Spec. MIL-A-47074 (MIL) Type II, Class 2. Information provided by Ellsworth Adhesives.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Armstrong-A-12-T-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Armstrong-A-12-T-Epoxy-Adhesive.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Ultimate	35.2 MPa	5100 psi	after optimum cure
Elongation at Break	1.8 %	1.8 %	
Adhesive Bond Strength	45.5 MPa	6600 psi	Steel-Steel; after optimum cure
	14.8 MPa @Temperature 82.2 °C	2150 psi @Temperature 180 °F	Aluminum-Aluminum tensile shear
	22.1 MPa @Temperature -54.4 °C	3200 psi @Temperature -66.0 °F	Aluminum-Aluminum tensile shear
	32.8 MPa @Temperature 25.0 °C	4750 psi @Temperature 77.0 °F	Aluminum-Aluminum tensile shear

Thermal Properties	Metric	English	Comments
CTE, linear	31.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	17.2 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	
Glass Transition Temp, Tg	62.0 °C	144 °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
	149 °C	300 °F	Fast cure is 5 min. @ 300°F
Pot Life	<= 90.0 min @Temperature 25.0 °C	<= 90.0 min @Temperature 77.0 °F	100 g

Descriptive Properties	Value	Comments
Color	Brown	
Mix Ratio	1/1	By Weight

## Contact Songhan Plastic Technology Co.,Ltd.

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