

Armstrong A-2/E 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-2E-Epoxy-Adhesive.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|----------|
| Viscosity | 170000 cP | 170000 cP | Mixed |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| Hardness, Shore D | 87 | 87 | |
| Tensile Strength, Ultimate | 43.8 MPa | 6350 psi | after optimum cure |
| Elongation at Break | 3.7 % | 3.7 % | |
| Adhesive Bond Strength | 59.0 MPa | 8550 psi | Steel-Steel; after optimum cure |
| | 15.9 MPa @Temperature -54.4 °C | 2300 psi @Temperature -66.0 °F | Aluminum-Aluminum tensile shear |
| | 17.9 MPa @Temperature 82.2 °C | 2600 psi @Temperature 180 °F | Aluminum-Aluminum tensile shear |
| | 21.4 MPa @Temperature 25.0 °C | 3100 psi @Temperature 77.0 °F | Aluminum-Aluminum tensile shear |

| Thermal Properties | Metric | English | Comments |
|---------------------------|---|---|----------|
| CTE, linear | 55.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C | 30.6 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F | |
| Glass Transition Temp, Tg | 84.0 °C | 183 °F | |

| Processing Properties | Metric | English | Comments |
|------------------------|-------------|-------------|-------------------------------|
| Processing Temperature | 93.3 °C | 200 °F | Optimum cure is 1 hr. @ 200°F |
| Pot Life | <= 90.0 min | <= 90.0 min | 100 g |

| Processing Properties | @Temperature 25.0 °C Metric | @Temperature 77.0 °F English | Comments |
|------------------------|--------------------------------|---------------------------------|-----------|
| Descriptive Properties | | Value | Comments |
| Color | | White | |
| Mix Ratio | | 100/6 | 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