Laboratory Data Sheet

Armstrong A-706 Epoxy Resin Adhesive

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PRODUCT DESCRIPTION

A-706 is a one component system which meets the requirements of MIL Spec MMM-A134, Type III. This compound consists of an epoxy resin and inert filler. A latent catalyst is incorporated which activated by temperatures of 350°F or higher.

A-706 contains metallic aluminum fillers imparting excellent room temperature tensile strength and machining properties. It is not recommended for application requiring electrical resistance.

Stir before using, avoiding the introduction of excess air. Spread a thin layer (3-5 mils) of adhesive evenly on the surfaces to be bonded and press together gently. Contact pressure or light clamping will keep parts in place during cure. Must be cured 2 hours at 350°F.

TYPICAL PROPERTIES

	A-706
Viscosity @77°F (poise)	1,600
Specific Gravity	1.20
Color	Aluminum
Minimum Work Life (100 grams @ 77°F	Indefinite
Minimum Work Life (1 Lb. @ 77°F)	Indefinite

TYPICAL PHYSICAL PROPERTIES

Tensile Shear Strength	**A-706**
@ 73°F	4,620
After 30 Min. @ 180°F	4,330
After 1 Hour @ 160°F # 30 Min. @ -67°F	4,630
After 30 Min. @ -67°F	4,300
After 250 Hours Salt Spray	4,120
After 168 Hours of Accelerated Weathering	3,920
After 7 Days in Distilled Water	4,640
After 7 Days in Anti-Icing Fluid	4,460
After 7 Days in Hydraulic Oil	4,760
After 7 Days in JP4	4,800
After 7 Days in Hydrocarbon Fluid	4,480
Cleavage Strength (pounds)	4,310
Creep-rupture Strength Test (@73.5 +/- 2°F	>1,600
Creep-rupture Strength (psi) test @ 180 +/- 2°F	>300

Storage

Store below 5°C out of sunlight and in original unopened containers. Refer to packaging specific quote for shelf life information.

SPI classification #3-FOR INDUSTRIAL USE ONLY. WARNING: may cause injury to skin following prolonged or repeated contact. Prevent prolonged or frequent contact. If contact occurs, wash at the first opportunity with soap and water.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

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