



EPOXY STRUCTURAL ADHESIVE E-103

E-103 is a high performance aluminum filled single component adhesive which provides exceptional shear strength in combination with high peel strength, impact resistance, and good temperature resistance. Suitable for bonding metal, high temperature plastics, and ceramics where the maximum durability is desired. Due to the aluminum filler the minimum bondline gap is approximately .002” to .003”.

PROPERTIES

appearance.....	grey viscous paste
specific gravity.....	1.6
viscosity.....	thixotropic
lap shear aluminum to aluminum, cured	
1 hour at 180°C, tested at RT.....	6,000 psi
tested at 125°C.....	1,900 psi
tested at 180°C.....	400 psi
maximum continuous use temperature.....	150°C
maximum short time use temperature.....	170°C

CURE CONDITIONS

Cure according to any one of the following cure schedules:

- 1hr 180°C
- 40 minutes 200°C

All times are for time at the specified temperature as measured at the bondline. Time must be allowed for the bondline to reach temperature. This can be minimized by using high speed curing methods such as infrared etc.

STORAGE

Refrigerated storage is required. Shelf life is at least 12 months at 0°C, 4 months at room temperature (18°C)

HANDLING

All contact with skin or ingestion should be avoided in accordance with normal handling procedures with epoxy resins. No warranty or guarantee is made regarding this material. The user should determine suitability for a given application. For more information see MSDS.

PRICING

2 oz. \$40.00 ea., 1 lb. \$150.00 ea.