



EPOXY STRUCTURAL ADHESIVE E-107

E-107 is a high performance silica filled single component adhesive which provides exceptional shear strength in combination with high peel strength, impact resistance, and good temperature resistance. Especially suitable for bonding magnets and other applications where dissimilar materials are bonded and must withstand long term thermal cycling. Offers much higher hot bond strength and long term durability than modified acrylic adhesives. Has good adhesion to plastics as well as metal and ceramics.

PROPERTIES

appearance.....	black viscous paste
specific gravity.....	1.3
viscosity.....	thixotropic
lap shear aluminum to aluminum, cured	
1 hour at 180°C, tested at RT.....	3,100 psi
tested at 200°C.....	560 psi
maximum continuous use temperature.....	150°C
maximum short time use temperature.....	200°C
bondline thickness.....	0.0005 in.

CURE CONDITIONS

Cure according to the following cure schedule:

1hr 180°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 desirable. Shelf life is at least 12 months at 0°C, 6 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. sample jar \$40.00 ea., 12 oz cartridge \$63.00 ea.

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