

Strain Gage Adhesive



OTHER ACCESSORIES USED IN AN M-BOND AE-10 INSTALLATION:

- CSM Degreaser or GC-6 Isopropyl Alcohol
- Silicon-Carbide Paper
- M-Prep Conditioner A
- M-Prep Neutralizer 5A
- GSP-1 Gauze Sponges
- CSP-1 Cotton Applicators
- PCT-2M Gage Installation Tape
- HSC Spring Clamp
- GT-14 Pressure Pads and Backup Plates



RoHS
COMPLIANT

DESCRIPTION

Two-component, 100%-solids epoxy system for general-purpose stress analysis. Transparent, medium viscosity. Cure time as low as six hours at +75°F [+24°C] may be used. Elevated-temperature postcure is recommended for maximum stability, and/or tests above room temperature.

Highly resistant to moisture and most chemicals, particularly when postcured. For maximum elongation, bonding surface must be roughened. Cryogenic applications require very thin gluelines.

CHARACTERISTICS

Operating Temperature Range:

Long Term: -320° to +200°F [-195° to +95°C].

Elongation Capabilities:

1% at -320°F [-195°C];
6% to 10% at +75°F [+24°C];
15% at +200°F [+95°C].

Shelf Life:

Minimum 12 months at +75°F [+24°C]; or 18 months at +40°F [+5°C]. If crystals form in resin jar, heat to +120°F [+50°C] for 30 minutes. Cool before mixing.

Pot Life:

15 to 20 minutes at +75°F [+24°C]. Can be extended by cooling jar or by spreading adhesive on clean aluminum plate.

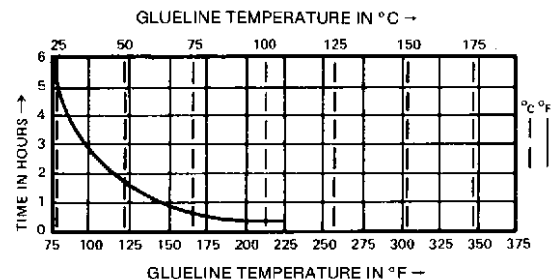
Clamping Pressure:

5 to 20psi [35 to 140kN/m²].

Cure Requirements:

Preferred Room-Temperature Cure: 24-48 hours at +75°F [+24°C].

Recommended Postcure: 2 hours at 25°F [15°C] above maximum operating temperature.



PACKAGING

Kit:

6 mixing jars [10g ea] Resin
1 bottle [15ml] Curing Agent 10
6 calibrated pipettes
6 stirring rods

Bulk:

200g Resin
40g Curing Agent 10
3 calibrated pipettes

References: Instruction Bulletin B-137, "Strain Gage Applications with M-Bond AE-10, AE-15, and GA-2 Adhesive Systems", included in each kit.

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