Strain Gage Adhesive

OTHER ACCESSORIES USED IN AN M-BOND 610 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
- MJG-2 Mylar® Tape
- TFE-1 Teflon® Film
- HSC Spring Clamp
- GT-14 Pressure Pads and Backup Plates

DESCRIPTION
Two-component, solvent-thinned, epoxy-phenolic adhesive for high-performance applications, including high-precision transducers. Solids content 22%. Widest temperature range general-purpose adhesive available. Low viscosity, capable of gluelines <0.0002 in [0.005mm]. Extremely thin, hard, void-free gluelines minimize creep, hysteresis, and linearity problems. Cure must begin within four hours of application.

CHARACTERISTICS

Operating Temperature Range:
- **Short Term:** −452°F to +700°F [−269° to +370°C].
- **Long Term:** −452°F to +500°F [−269° to +260°C].
- **Transducers:** to +450°F [+230°C].

Elongation Capabilities:
- 1% at −452°F [−269°C];
- 3% at +75°F [+24°C];
- 3% at +500°F [+260°C].

Shelf Life:
- Minimum 9 months at +75°F [+24°C]; or 15 months at +40°F [+5°C].

Pot Life:
- 6 weeks at +75°F [+24°C]; 12 weeks at +40°F [+5°C].

Clamping Pressure:
- 10 to 70psi [70 to 480kN/m²].
- 30 to 40psi optimum [200 to 275kN/m²].

Cure Requirements:
- **Recommended Postcure:** 2 hours at 50° to 75°F [30° to 40°C] above maximum operating temperature or cure temperature, whichever is higher.
- **High Precision Transducer Postcure:** 2 hours at +400° to +450°F [+205° to +230°C] after wiring.

PACKAGING OPTIONS

**Kit:**
- 4 bottles [11g ea] Curing Agent
- 4 bottles [14g ea] Resin
- 4 brush caps for dispensing mixed adhesive
- 4 disposable mixing funnels

**Single Mix Kit:**
- 1 bottle [11g ea] Curing Agent
- 1 bottle [14g ea] Resin
- 1 brush cap for dispensing mixed adhesive
- 1 disposable mixing funnel


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