



## Strain Gage Adhesive



### OTHER ACCESSORIES USED IN AN M-BOND 43-B 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

Single-component, solvent-thinned, epoxy adhesive normally used in transducer applications; solids content 25%. May be used both as an adhesive and as a protective

coating. Capable of forming very thin, hard, void-free glue-lines similar to M-Bond 610. Highly resistant to moisture and chemical attack.

### CHARACTERISTICS

#### Operating Temperature Range:

**Short Term:** -452° to +350°F [-269° to +175°C].

**Long Term:** -452° to +300°F [-269° to +150°C].

**Transducers:** to +250°F [+120°C].

#### Elongation Capabilities:

1% at -452°F [-269°C];

4% at +75°F [+24°C];

2% at +300°F [+150°C].

#### Shelf Life:

9 months at +75°F [+24°C]; 18 months at +40°F [+5°C].

#### Pot Life:

9 months at +75°F [+24°C]; 18 months at +40°F [+5°C].

#### Clamping Pressure:

15 to 100 psi [100 to 700 kN/m<sup>2</sup>].

40 to 50 psi [275 to 350 kN/m<sup>2</sup>] optimum.

#### Cure Requirements:

**Minimum:** 1 hour at +350°F [+175°C].

**Recommended:** 2 hours at +375°F [+190°C].

**Recommended Transducer Postcure:** 2 hours at +400°F [+205°C].

### PACKAGING

#### Kit:

4 brush-cap bottles [30 ml ea] premixed adhesive

#### Single Bottle:

1 brush cap bottle [30 ml] premixed adhesive

#### References:

Instruction Bulletin B-130, "Strain Gage Installations with M-Bond 43-B, 600 and 610 Adhesive Systems", included in each kit.

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