

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



RoHS
COMPLIANT

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 gluelines 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:

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

Pot Life:

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

Clamping Pressure:

15 to 100psi [100 to 700kN/m²].

40 to 50psi [275 to 350kN/m²] optimum.

Cure Requirements:

Recommended: 2 hours at +375°F [+190°C], or as an alternate cure for aluminum alloy transducers, 2 1/2 hours at +300°F [+150°C]

Recommended Transducer Postcure: 2 hours at +400°F [+205°C], or as an alternate postcure for aluminum alloy transducers 2 1/2 hours at +350°F [+175°C].

PACKAGING

Kit:

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

Single Bottle:

1 brush cap bottle [30ml] 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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