

Strain Gage Adhesives for Transducer Applications

M-Bond 450



OTHER ACCESSORIES USED IN AN M-BOND 450 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

High-performance, two-component, solvent-thinned epoxy system specially formulated for high accuracy, elevated-temperature transducer applications.

CHARACTERISTICS

Operating Temperature Range:

Short Term: – 452° to + 750°F (– 269° to + 400°C)

Long Term: – 452° to + 500°F (– 269° to + 260°C)

Shelf Life:

6 months at + 75°F (+ 24°C)

Pot Life:

6 weeks at + 75°F (+ 24°C)

Clamping Pressure:

60 to 100 psi (4 to 6 bar)

Cure Requirements:

Step 1: Air dry at + 75°F (+24°C) 10 to 30 min

B-Stage: + 225°F (+ 105°C) for 30 min

Cure: + 350°F (+ 175°C) for 1 hour

Recommended Postcure: 1 hour at 50°F (30°C) above max operating temperature

PACKAGING

Kit:

- 4 bottles (12.5 g ea) Curing Agent
- 4 bottles (12.5 g ea) Resin
- 4 brush caps for applying adhesive
- 4 disposable mixing funnels

References: M-M Instruction Bulletin B-130, Strain Gage Installations with M-Bond 43-B, 600, and 610 Adhesive Systems.
M-M Instruction Bulletin B-152, Instructions for the Application of Micro-Measurements M-Bond 450 Adhesive.
M-M Catalog A-110, M-LINE Strain Gage Accessories.