

Strain Gage Adhesive



OTHER ACCESSORIES USED IN AN M-BOND A-12 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

DESCRIPTION

Two-component, 100%-solids epoxy system. Not intended as a general-purpose strain gage adhesive. Should be used only when maximum elongation requirements of a test

exceed the capabilities of other M-Bond adhesive systems. Mixed adhesive gritty with large solid particles present; large particles must be removed prior to gage installation.

CHARACTERISTICS

Operating Temperature Range:

Long Term: -50° to $+180^{\circ}\text{F}$ [-45° to $+80^{\circ}\text{C}$].

Elongation Capabilities:

15% to 20% at $+75^{\circ}\text{F}$ [$+24^{\circ}\text{C}$].

Shelf Life:

1 year at $+75^{\circ}\text{F}$ [$+24^{\circ}\text{C}$].

Pot Life:

Approximately 1 hour.

Clamping Pressure:

5 to 20 psi [35 to 140 kN/m²].

Cure Requirements:

2 hours at $+165^{\circ}\text{F}$ [$+75^{\circ}\text{C}$] or 2 weeks at $+75^{\circ}\text{F}$ [$+24^{\circ}\text{C}$].

PACKAGING

Kit:

- 1 tube each Part A and Part B
- 5 disposable mixing cups
- 5 wooden stirring sticks

References: Application instructions for M-Bond A-12 are included in each kit.