

Strain Gage Adhesive



OTHER ACCESSORIES USED IN AN M-BOND 300 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

Special-purpose, two-component polyester adhesive. Not recommended as a general-purpose strain gage adhesive, but useful when a low-temperature-curing adhesive is required. While possessing the high shear strength required

of a strain gage adhesive, peel strength and solvent sensitivity are relatively poor. Should not be used for impact strain measurements, or with solvent-thinned protective coatings.

CHARACTERISTICS

Operating Temperature Range:

Long Term: -40° to $+300^{\circ}\text{F}$ [-40° to $+150^{\circ}\text{C}$].

Elongation Capabilities:

1% to 2% at $+75^{\circ}\text{F}$ [$+24^{\circ}\text{C}$].

Shelf Life:

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

Pot Life:

15 to 20 minutes at $+40^{\circ}\text{F}$ [$+5^{\circ}\text{C}$]; 5 to 8 minutes at $+75^{\circ}\text{F}$ [$+24^{\circ}\text{C}$].

Clamping Pressure:

5 to 20 psi [35 to 140 kN/m²].

Cure Requirements:

24 hours at $+40^{\circ}\text{F}$ [$+5^{\circ}\text{C}$];
18 hours at $+60^{\circ}\text{F}$ [$+15^{\circ}\text{C}$];
12 hours at $+75^{\circ}\text{F}$ [$+24^{\circ}\text{C}$].

PACKAGING

Kit:

6 mixing jars [10 g ea] Resin
6 calibrated pipettes
1 bottle [6 g] Catalyst
6 stirring rods

References: Instruction Bulletin B-133, "Strain Gage Installations with M-Bond 300 Adhesive", included in each kit.