

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.

Mylar and Teflon are Registered Trademarks of DuPont

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay Precision Group"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay Precision Group disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay Precision Group's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay Precision Group.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay Precision Group products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay Precision Group for any damages arising or resulting from such use or sale. Please contact authorized Vishay Precision Group personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.