

High Bond Adhesive Backed Mounts

specifications

High bond adhesive backed mounts shall utilize multi-purpose acrylic adhesive on both sides of conformable foam. The adhesive shall provide excellent adhesion to a broad range of high and medium surface energy substrates including metals, glass, and a wide variety of plastics. The conformable foam shall provide good contact, even with mismatched substrates.*



Super-Grip[®] High Bond Adhesive Backed Mounts

SGABM20-AV-C300:

0.75" (19.1mm) x 0.75" (19.1mm)

SGABM25-AV-C300:

1.00" (25.4mm) x 1.00" (25.4mm)

SGABM30-AV-C300:

1.12" (28.6mm) x 1.12" (28.6mm)

technical information

| | |
|-------------------------------------|--|
| Material: | SGABM: Heat stabilized weather resistant Nylon 6.6 with high bond adhesive |
| Temperature range: | SGABM: -31°F to 200°F (-35°C to 93°C) continuous |
| Solvent and fuel resistance: | Water, salt water, hydraulic fluid, 10W30 motor oil, glycol antifreeze – 100% adhesive retention. Kerosene – 90% adhesive retention. Isopropyl alcohol, jet fuel – 50% adhesive retention. Gasoline – 35% adhesive retention. |
| Environmental compliance: | RoHS compliant |
| Application environment: | Indoor/outdoor |

key features and benefits

| | |
|--|--|
| High bond adhesive | Provides maximum adhesion, especially in harsh, high temperature, outdoor environments; extending service life |
| Smooth surfaces and rounded edges | Protect the cable bundle and the installer; improving productivity, job site safety and reliability |
| Flexible, lightweight material | Easily handled; improving productivity |

applications

Panduit high bond adhesive backed mounts are a reliable and cost-effective solution for securing wires and cables in demanding applications, such as harsh environments. These mounts can be utilized in the alternative energy, mass-transit rail, control panel,

marine, heavy equipment, white goods, and automotive industries. The conformable nature of the acrylic foam core allows for a strong bond to a variety of substrates. This tape has also demonstrated excellent performance when bonding to relatively irregular surfaces.*

*Portions of this material were reproduced from the 3M VHB Conformable Acrylic Foam Tape 4936 and 4941 Product Data Sheets.

High Bond Adhesive Backed Mounts

ordering information

| Part Number | Material | Adhesive Type | Used with Cable Ties | Length | | Width | | Height | | Std. Pkg. Qty. |
|-----------------|---|---------------------------|------------------------|--------|------|-------|------|--------|-----|----------------|
| | | | | In. | mm | In. | mm | In. | mm | |
| SGABM20-AV-C300 | Heat Stabilized Weather Resistant Nylon 6.6 | High Bond Acrylic VHB‡ | SGM, SGI, M, I | 0.75 | 19.1 | 0.75 | 19.1 | 0.16 | 4.0 | 100 |
| SGABM25-AV-C300 | | | SGM, SGI, SGS, M, I, S | 1.00 | 25.4 | 1.00 | 25.4 | 0.20 | 5.1 | |
| SGABM30-AV-C300 | | | SGM, SGI, SGS, M, I, S | 1.12 | 28.6 | 1.12 | 28.6 | 0.16 | 4.0 | |

application techniques*

1. Bond strength is dependent upon the amount of adhesive to surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength.
2. To obtain optimum adhesion, the bonding surfaces must be clean, dry, and well unified. A typical surface cleaning solvent is isopropyl alcohol and water. Use proper safety precautions for handling solvents.
3. Ideal tape application temperature range is 21°C to 38°C (70°F to 100°F). Initial tape application to surfaces at temperatures below 15°C is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

NOTE: Some paint systems and plastics contain additives which can influence adhesion. Adhesion to these surfaces should be evaluated carefully; the effects of these additives can often be overcome by proper cleaning and surface preparation. High humidity/high temperature environments can also affect adhesion to glass due to the hydrophilicity of glass. Under these environments a silane coupling agent (adhesion promoter) has been found to enhance the durability and strength of the bond.

‡VHB is a trademark of 3M.

*This information was reproduced from the 3M VHB Conformable Acrylic Foam Tape 4936 Product Data Sheet.

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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Visit us at www.panduit.com

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or by phone: 800.777.3300

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