

ABT 800, polyurethane foam tape

tapes

Technical Data Sheet

ABT 800, polyurethane foam tape is a polyurethane foam tape of closed cell with a high performance acrylic adhesive on both sides.

Technical Information

| PROPERTIES | VALUE | TEST METHOD |
|---------------------------------|--|--------------|
| Density | 30 (480) lb/ft ³ (kg/m ³) | ASTM D- 1667 |
| Adhesion peel 180°, oz/in (N/m) | 108 (1181) | PSTC-3 |
| Tensile strength psi (kPa) | 130 (896) | ASTM D-412 |
| Application temperature | 16 °C to 52 °C (60 °F to 125 °F) | |
| Working temperature | -40 °C to 93 °C (-40 °F to 200 °F) | |

Information obtained from laboratory tests.

Uses

ABT 800, polyurethane foam tape has been mainly developed for:

- Support for sheet assembly.
- Adhesion to painted surfaces.
- Paste all type of molding and autoparts on plastics or sheets (approved by automotive industry).
- Paste sheets in car bodies industry.
- Paste of roofs and truss in manufacturing of dry boxes.
- Ideal for metallic substrates and sheet pasting exterior applications.

Advantages

- The stress distribution reduces the points of pressure which minimize distortion.
- Reduces or eliminates the use of liquid adhesives, screws, rivets, welding and subsequent finishing, improving the time and productivity.
- Prevent the corrosion of two different materials by eliminating the contact between them.
- Help mitigate the stress caused by thermal expansion and contraction between the bonded parts, which helps to preserve the bonding during temperature changes.
- Polyurethane foam of closed cell with excellent environmental resistance.
- Excellent initial grip. (The maximum resistance is acquired in 72 hours)

Application

The surfaces shall be free of dust, grease, oil, water and soil. The cleaning of smooth surfaces (like glass, metal, etc.) shall be done with two cleaning clothes, consisting in passing a (lint free) cleaning clothe impregnated with isopropyl alcohol, and removing immediately all the impurities with a clean and dry cleaning clothe. Do not remove the protector until the tape is in correct position. Do not touch the adhesive surface before applying the tape. To be sure that the pieces are correctly placed, once placed the tape the protector is removed on one corner until the piece is in the desire position, remove all the protector and apply a uniform pressure so the tape is perfectly aligned to the material. As larger the contact between the adhesive and the surface, larger is the resistance of the adhesive bonding. The adhesion strength will depend on the substrate surface, application temperature and complete adhesion time (time of contact of the adhesive of the tape to the substrate surface to fully humidifying it).





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Recommendations

- Perform tests under actual application conditions to guarantee its proper operation.
- Do not remove liner or touch the adhesive during the installation to prevent contamination.
- Do not stretch the tape during installation.

Maintenance

- No maintenance required.
- If the application zone or the adhered piece suffer any damage, it is recommended to replace the tape for a new one eliminating the previous residues and following the application recommendations.

Limitations

- In structural glazing systems.

Precautions

- It is not recommended to use in fabrics, concrete or porous surfaces, loose paints, rough surfaces or similar.
- Do not clean with products that can leave residues (like thinner, that may also affect the finishing of the products).

Presentation

Colors

- Black

Coverage

| Code | Thickness | Width | Meters / Rolls |
|----------|-----------|----------------|----------------|
| ABT-8132 | 1/32" | 3/16" up to 4" | 61.00 |
| ABT-8364 | 3/64" | 1/4" up to 4" | 61.00 |

Shelf Life

12 months in cold and dry warehouse.

Technical Support

Productos Pennsylvania's Technical Support is at your service, assisting you with:

Guidance in how to apply this or any of our products.

Blueprint reviews.

Joint dimension calculus.

Compatibility and adhesion testing of our sealants with different materials.

NOTE:

Productos Pennsylvania S.A de C.V. provides technical assistance when required. Please contact our Technical Department regarding use and application of this product. It is the user's responsibility to test the product and its uses before application.

Productos Pennsylvania, S.A. de C.V.

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Date of production: May 2023

the caulking expert

