

TECHNICAL DATA

- Direct coat acrylic adhesive provides high initial tack and secure, permanent bond
- Resist compression set
- Exhibit excellent dimensional stability
- Provide cushioning and impact protection
- Prevent the permeation of air, dust, and light
- Resist moisture and chemicals
- Eliminate “window float” or “creep”
- Flame retardant (meet UL94HBF)
- Meet UL50 & UL508

Product Description

Pres-On U6100 Series Urethane Foam Tapes are composed of a uniform, medium density, open cell foam coated with high-tack, pressure sensitive acrylic adhesive. The dimensional stability of U6100 allows for easy handling during device rework and is a cost-effective alternative to competing name brand high density tapes.

Applications

U6100 Series Urethane Foam Tapes are ideal for adhering to plastic, metal, and powder painted surfaces in door and filter gasketing applications.

| STANDARD ROLL SIZE | SERIAL NUMBER | THICKNESS | LENGTH |
|---|---------------|-----------|--------|
| All rolls available in widths from 3/16" to 54" | U6106 | 1/16" | 100' |
| | U6112 | 1/8" | 80' |
| | U6118 | 3/16" | 50' |
| | U6125 | 1/4" | 40' |
| | U6137 | 3/8" | 30' |

| ADHESION PROPERTIES | TEST | TYPICAL PERFORMANCE | TEST METHOD |
|---------------------|------------------------------------|-----------------------------------|---------------|
| | Adhesion to Steel @ 72°F | | |
| | Steel immediate | 2.5 lbs/in width or foam tear | PSTC-1 |
| | Steel after 24 hours | 4.0 lbs/in width or foam tear | PSTC-1 |
| | Adhesion to Steel, 15 minute dwell | 4.3 - 6.4 lbs/inch | PSTC-1 |
| | Adhesion to Steel, 24 hour dwell | 6.0 lbs/inch | PSTC-1 |
| | Shear 1" x 1", 500 gms | 1000 hours | PSTC-7 |
| | Shear 1" x 1", 1000 gms | 200 hours | PSTC-7 |
| | Optimal Application Temperature | 50°F to 80°F | Pres-On PTM-1 |
| | Functional Temperature | 0°F to 225°F | Pres-On PTM-2 |
| | Water and Humidity Resistance | Excellent | Pres-On |
| | Shelf Life | 1 year stored at room temperature | |

| PHYSICAL PROPERTIES | TEST METHOD | <.25" THICK | ≥.25" THICK |
|---|---|---------------------------|--------------|
| Density | ASTM D-3574 | 21 lbs/cu ft | 17 lbs/cu ft |
| Tensile Strength | ASTM D-3574 | >75 psi | >50 psi |
| Elongation | ASTM D-3574 | >80% | >80% |
| Tear Strength | ASTM D-624 | >7 pli | >4 pli |
| Compression Deflection (psi) 25% Deflection | ASTM D-3474 | 10 ±20% | 5 ±30% |
| Compression Set 50% (23°C) | ASTM D-3474 | <2% | <2% |
| Compression Set 50% (70°C) Autoclave then 50% (70°C) | ASTM D-3474 ASTE D-3474 | <8% <5% | <8% <5% |
| Temperature Range Continuous Use Range: Intermittent Use Maximum: | -40° F to 158° F (-40° C to 70° C) 220° F (104° C) | | |
| Flammability Rating | MVSS302 UL 94HBF | Pass/Fail Pass/Fail | Pass Pass |
| COMPARABLE PRODUCTS | PRES-ON U6100 | ROGERS PORON [®] | |
| | U6106 | 4701-40-20 | |
| | U6112 | 4701-50-15 | |
| | U6118 | 4701-30-25 | |
| | U6125 | 4701-40-15 | |
| | U6137 | 4701-30-20 | |

Application Notes

Ensure bonding surfaces are well unified, clean, dry and free of dirt and oils. Apply firm and even pressure to improve adhesive-to-surface contact. Allow proper temperature and time to enhance bond strength as adhesive flows onto the surface.

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