

TECHNICAL DATA SHEET

Avery Dennison™ FT 2162 is a hotmelt rubber transfer tape used for bonding polyurethane foam, polyester fibers, felts and fabrics to a wide variety of substrates. Ideal for general purpose foam and fiber bonding applications such as gaskets, sound deadening and insulation materials in automotive, building and construction, appliance assembly and general industrial sub-assembly. The rubber based adhesive is soft and aggressive with extreme wetting properties to a wide variety of low surface energy substrates like PE and PP plastics, as well as to PE, PP and PU foams and felt.

FEATURES

- High coat-weight rubber adhesive with strong flow-out behavior
- 120 gsm thick easy release glassine liner

BENEFITS

- Extreme affinity and adhesion to LSE substrates
- Suitable for bonding of porous & rough surfaces
- Ensures rapid & easy liner removal at point of application
- Excellent water jet, kiss-cutting and die cutting characteristics



CONSTRUCTION

Liner: White glassine

Adhesive: Synthetic Rubber



Performance
Tapes

Adhesive Properties

Typical Values

| THICKNESS (ASTM D3652) | | US Mil's | MM's | Micron's (µm) |
|---|--------------|--------------------|-------------------|------------------|
| Liner | | 3.94 | 0.100 | 100 |
| Adhesive | | 5.12 | 0.130 | 130 |
| Total Caliper | | 9.06 | 0.230 | 230 |
| PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp | | | | |
| SUBSTRATE | | Lbf / in | US Oz / In | N / Meter |
| Stainless Steel | 20 min dwell | 12.28 | 196 | 2150 |
| | 24 hr dwell | 13.13 | 210 | 2300 |
| ABS | 20 min dwell | 11.76 | 188 | 2060 |
| | 24 hr dwell | 12.56 | 201 | 2200 |
| Painted Steel | 20 min dwell | 11.02 | 176 | 1930 |
| | 24 hr dwell | 11.65 | 186 | 2040 |
| Polypropylene | 20 min dwell | 10.28 | 164 | 1800 |
| | 24 hr dwell | 10.56 | 169 | 1850 |
| LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp | | | | |
| SUBSTRATE | | Lbf / in | US Oz / In | N / Meter |
| Stainless Steel | Initial | 13.1 | 210 | 2300 |
| STATIC SHEAR (ASTM D3654) 1"sq (6.25 cm ²) 1000 g @ Room Temp | | | | |
| SUBSTRATE | | Min to Fail | | |
| Foil; 1" sq (6.5 cm ²); 1000 g | Initial | 500 | | |
| TEMPERATURES | | | °F | °C |
| Minimum Application Temperature | | | 50 °F | 10 °C |
| Minimum Service Temperature | | | -40 °F | -40 °C |
| Maximum Service Temperature | | | 158 °F | 70 °C |

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

- It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease or oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (film / rigid) surface achieves different performance

STORAGE / SHELF LIFE

Two years when stored at 64-72 °F (18-22 °C) / 30-70 % relative humidity, out of direct sunlight and in original packaging.

For more information on our bonding tapes and adhesive solutions, call us:

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www.tapes.averydennison.com