

TECHNICAL DATA SHEET

Avery Dennison™ FT Y1071 is permanent synthetic rubber adhesive transfer tape used to bond on a wide variety of substrates. Provides excellent adhesion to low surface energy materials such as PP, PE, TPO, ABS, PVC, polystyrene and a variety of metals.

FEATURES

- Uniform adhesive thickness
- Flexible adhesive film
- Broad range of service temperature
- Specially designed adhesive
- Easy release liner

BENEFITS

- Consistent application performance
- Good conformability to flat or curved surfaces
- Suitable where final application is exposed to both low and high temperatures
- Excellent adhesion to a variety of metals, rigid and foamed plastics
- Liner facilitates easy removal at point of application



CONSTRUCTION

Liner: Havana (yellow/brown) colored glassine

Adhesive: Permanent synthetic rubber adhesive



Performance
Tapes

Adhesive Properties

Typical Values

| THICKNESS (ASTM D3652) | | US Mil's | MM's | Micron's (µm) |
|---|--------------|--------------------|-------------------|------------------|
| Liner | | 2.95 | 0.075 | 75 |
| Adhesive | | 2.36 | 0.060 | 60 |
| Total Caliper | | 5.31 | 0.135 | 135 |
| PEEL ADHESION (ASTM D3330) | | | | |
| 180° (12") 300 mm / min @ Room Temp | | | | |
| SUBSTRATE | | Lbf / in | US Oz / In | N / Meter |
| Stainless Steel | 20 min dwell | 7.4 | 119 | 1300 |
| | 24 hr dwell | 7.9 | 126 | 1380 |
| Polycarbonate | 20 min dwell | 6.5 | 119 | 1140 |
| | 24 hr dwell | 9.3 | 148 | 1620 |
| Painted Steel | 20 min dwell | 6.5 | 104 | 1140 |
| | 24 hr dwell | 7.0 | 112 | 1230 |
| Rigid Polypropylene | 20 min dwell | 4.2 | 67 | 730 |
| | 24 hr dwell | 5.7 | 91 | 1000 |
| LOOP TACK (ASTM D6195) | | | | |
| (12") 300 mm / min @ Room Temp | | | | |
| SUBSTRATE | | Lbf / in | US Oz / In | N / Meter |
| SS | Initial | 9.5 | 153 | 1670 |
| STATIC SHEAR (ASTM D3654) | | | | |
| 1"sq (6.25 cm ²) 1000 g @ Room Temp | | | | |
| SUBSTRATE | | Min to Fail | | |
| Stainless Steel | Initial | > 600 | | |
| TEMPERATURES | | | °F | °C |
| Minimum Application Temperature | | | 50 °F | 10 °C |
| Minimum Service Temperature | | | -40 °F | -40 °C |
| Maximum Service Temperature | | | 266 °F | 105 °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