# TECHNICAL DATA SHEET

**Avery Dennison™ FT 4351**

## FEATURES

- High adhesive coat-weight
- Silicone adhesive
- Very high shear resistance
- Specially treated unwind

## BENEFITS

- Assures high adhesion, also on siliconized substrates
- Provides excellent resistance to chemicals
- Provides excellent splice performance, also at high temperature

## CONSTRUCTION

**Facestock:** Transparent polyester
**Adhesive:** Permanent silicone adhesive - yellow
**Liner:** Linerless construction

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## Adhesive Properties | Typical Values

| THICKNESS (ASTM D3652) | | US Mils | MM's | Micron's (µm) |
|---|---|---|---|---|
| Adhesive & Front | | | | 75 |
| **Total Caliper** | | | | 75 |

**PEEL ADHESION** (ASTM D3330)
180˚ (12") 300 mm / min @ Room Temp

| SUBSTRATE | | Lbf / in | US Oz / In | N / Meter |
|---|---|---|---|---|
| Stainless Steel | 20 min dwell | 2.28 | 37 | 400 |
| siliconized Glassine Paper | 20 min dwell | 1.03 | 16 | 180 |
| | 24 hr dwell | | | |
| Polypropylene | 20 min dwell | | | |
| | 24 hr dwell | | | |

**LOOP TACK** (ASTM D6195)
(12") 300 mm / min @ Room Temp

| SUBSTRATE | | Lbf / in | US Oz / In | N / Meter |
|---|---|---|---|---|
| Glass | Initial | 4.11 | 65.8 | 720 |

**STATIC SHEAR** (ASTM D3654)
1"sq (6.25 cm²) 1000 g @ Room Temp

| SUBSTRATE | | Min to Fail | |
|---|---|---|---|
| Stainless Steel | Initial | > 10.000 | |

| TEMPERATURES | °F | °C |
|---|---|---|
| Minimum Application Temperature | 32 °F | 0 °C |
| Minimum Service Temperature | -76 °F | -60 °C |
| Maximum Service Temperature | 392°F | 200 °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 ℉ (18-22 ℃) / 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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**Asia Pacific:** +86 512 57155001
**Europe:** +32 (0)14 40 48 11

**www.tapes.averydennison.com**

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