

TECHNICAL DATA SHEET

Avery Dennison™ FT 3102 is a silicone based adhesive transfer tape. Provides high temperature and chemical resistance and good adhesion on low surface energy substrates.

FEATURES

- Silicone adhesive
- Polyester liners

BENEFITS

- Provides a very high temperature resistance together
- with high chemical, moisture and UV-light resistance
- Good adhesion on difficult to bond to surfaces
- Release system allows easy liner removal
- Good die-cuttability



CONSTRUCTION

Liner 1: White polyester

Adhesive: Silicone

Liner 2 Easy: Clear polyester

Adhesive Properties**Typical Values**

THICKNESS (ASTM D3652)	US Mil's	MM's	Micron's (µm)
Liner 1	2.0	0.050	50
Adhesive + Carrier	2.0	0.050	50
Liner 2 Easy	1.4	0.036	36
Total Caliper	5.4	0.136	136
PEEL ADHESION (ASTM D3330)			
180° (12") 300 mm / min @ Room Temp			
SUBSTRATE	Lbf / in	US Oz / In	N / Meter
Stainless Steel 24hr dwell	4.0	64	700
DYNAMIC SHEAR (ASTM D- 1002)			
1"sq (6.25 cm ²) 2mm / min @ Room Temp			
SUBSTRATE		Lbf / in²	kPa
Stainless Steel Initial		112.5	775
SAFT (ASTM 3654)			
1"sq (6.25 cm ²) 1000 g			
SUBSTRATE	Min to Fail	Fail Temp °F	Fail Temp °C
Stainless Steel	242	248	120
TEMPERATURES		°F	°C
Minimum Application Temperature		50 °F	10 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		572 °F	300 °C

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

APPLICATION TECHNIQUES

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

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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