

TECHNICAL DATA SHEET

Avery Dennison™ FT Y218 is a double coated tissue with a soft, aggressive, easy flow rubber based adhesive. Many general applications, including foam and fiber bonding, insulation and splicing. The adhesive is ideal for applications on low surface energy surfaces.

FEATURES

- Extremely high tack adhesive
- Low density, open tissue
- Easy release liner

BENEFITS

- Provides excellent initial adhesion to a wide variety of substrates
- Whilst maintaining a high degree of conformability, the product is still capable of anchoring to low density foams
- Facilitates easy removal at point of application



CONSTRUCTION

Liner: White glassine

Adhesive: Permanent synthetic rubber adhesive

Carrier: Tissue

Adhesive: Permanent synthetic rubber adhesive

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		2.64	0.067	67
Carrier & Adhesive		3.54	0.090	90
Total Caliper		6.18	0.157	157
PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	3.88	62	680
	24 hr dwell	4.08	65	715
Polycarbonate	20 min dwell	3.71	59	650
	24 hr dwell	3.77	60	660
Painted Steel	20 min dwell	3.88	62	680
	24 hr dwell	3.91	63	685
Rigid Polypropylene	20 min dwell	3.08	49	540
	24 hr dwell	3.11	50	545
LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial	7.2	115	1250
STATIC SHEAR (ASTM D3654) 1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial	> 3000		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			140 °F	60 °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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