

TECHNICAL DATA SHEET

Avery Dennison™ FT Y185

FEATURES

- Ultra cross-linked acrylic adhesive
- 110 micron thick layer of adhesive
- Polyethylene protected liner
- Easy release liner

BENEFITS

- Provides a very high temperature resistance and a high chemical, moisture and UV-light resistance
- Allows the bonding of irregular surfaces
- The liner combines a high degree of moisture stability with excellent die-cutting properties
- Enables smooth removal during application



CONSTRUCTION

Liner: Brown polyethylene protected paper

Adhesive: Ultra cross-linked acrylic adhesive

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		5.43	0.138	138
Adhesive		4.33	0.110	110
Total Caliper		9.76	0.248	248
PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	6.17	99	1080
	24 hr dwell	7.77	124	1360
Polycarbonate	20 min dwell	6.62	106	1160
	24 hr dwell	8.45	135	1480
Painted Steel	20 min dwell	5.71	91	1000
	24 hr dwell	6.85	110	1200
Rigid Polypropylene	20 min dwell	3.20	51	560
	24 hr dwell	3.65	58	640
LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	Initial	4.1	66	720
STATIC SHEAR (ASTM D3654) 1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial	> 10000		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °C
Minimum Service Temperature			-40 °F	-40 °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 °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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