

TECHNICAL DATA SHEET

Avery Dennison™ FT 2085

FEATURES

- Cross-linked acrylic adhesive
- Thick adhesive mass
- Polyethylene liner
- Clay-coated paper liner

BENEFITS

- Provides high shear with high temperature, chemical, UV- and moisture resistance
- Allows the bonding of irregular surfaces
- Combines a high degree of moisture stability with excellent die-cutting properties
- Enables very smooth adhesive appearance



CONSTRUCTION

Liner 1 (Easy): White Clay-coated Paper

Adhesive: Acrylic

Liner 2 (Tight): Blue HDPE

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner 1 Easy		3.7	0.09	94
Adhesive		4.3	0.11	109
Liner 2 Tight		4.0	0.10	102
Total Caliper without Liner		4.3	0.11	109
Total Caliper		12.0	0.30	305
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	4.1	66	722
	24 hr dwell	4.7	76	828
Polycarbonate	20 min dwell	3.4	55	599
	24 hr dwell	3.7	60	652
Painted Steel	20 min dwell	2.9	47	511
	24 hr dwell	3.3	53	581
Polypropylene	20 min dwell	1.2	19	211
	24 hr dwell	1.6	26	282
LOOP TACK (ASTM D6195)				
(12") 508 mm / min @ 180°				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel		6.6	106	1162
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel		> 10000		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	30 °C
Maximum Continuous Operating Temperature			392 °F	200 °C
Maximum Intermittent Operating Temperature			482 °F	250 °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:

North America: +1 866 462 8379

Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

www.tapes.averydennison.com