

TECHNICAL DATA SHEET

Avery Dennison™ FT 107 is permanent synthetic rubber adhesive transfer tape used to bond on a wide variety of substrates. Provides excellent adhesion to low surface energy materials such as PP, PE, TPO, ABS, PVC, polystyrene and a variety of metals.

FEATURES

- Uniform adhesive thickness
- Flexible adhesive film
- Specially designed adhesive
- Easy release liner

BENEFITS

- Consistent application performance
- Good conformability to flat or curved surfaces
- Excellent adhesive to a variety of metals, rigid and foamed plastics, and PU-ester foams
- Facilitates easy removal at point of application



CONSTRUCTION

Liner: Blue-green glassine

Adhesive: Permanent rubber based adhesive

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		3.3	0.08	84
Adhesive		2.4	0.06	61
Total Caliper		5.7	0.14	145
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	7.4	119	1299
	24 hr dwell	7.9	126	1380
Polycarbonate	20 min dwell	6.5	119	1140
	24 hr dwell	9.3	148	1620
Painted Steel	20 min dwell	6.5	104	1140
	24 hr dwell	7.0	112	1229
Polypropylene	20 min dwell	4.2	67	730
	24 hr dwell	5.7	91	1000
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
SS	Initial	9.5	153	1670
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial	> 600		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			221 °F	105 °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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