

TECHNICAL DATA SHEET

Avery Dennison™ FT 7378 is a double coated polyester construction with a high adhesion modified acrylic adhesive for various bonding applications requiring a moisture stable flat liner

FEATURES

- Modified acrylic adhesive
- Strong plastic film carrier
- Polyethylene protected paper liner

BENEFITS

- Ideal for bonding all kind of substrates onto low surface energy substrates, such as PE or rigid PP
- Provides good initial adhesion to flat and slightly curved, even to slightly embossed surfaces at mounting side
- Excellent dimensional stability
- Very good handling and conversion (diecutting) characteristics, clean cut edges
- Excellent moisture resistance



CONSTRUCTION

Liner: White polyethylene coated paper

Adhesive: Permanent modified acrylic adhesive typified by its high tack and shear performance

Carrier: 12 micron transparent polyester film



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		5.04	0.128	128
Carrier & Adhesive		3.23	0.082	82
Total Caliper		8.27	0.21	210
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	3.19	51	558
	24 hr dwell	3.32	53	581
Polycarbonate	20 min dwell	4.51	72	790
	24 hr dwell	4.56	73	799
Painted Steel	20 min dwell	3.88	62	680
	24 hr dwell	4.41	71	772
Rigid Polypropylene	20 min dwell	1.42	23	248
	24 hr dwell	1.94	31	340
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial	6.17	99	1080
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	24 hr dwell	7000		
TEMPERATURES		°F	°C	
Minimum Application Temperature		50 °F	10 °C	
Minimum Service Temperature		-40 °F	-40 °C	
Maximum Service Temperature		284 °F	140 °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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www.tapes.averydennison.com