

TECHNICAL DATA SHEET

Avery Dennison™ FT 1270 is a 70 µm solvent modified acrylic based transfer tape especially designed for medium to high end foam and fiber bonding automotive applications.

FEATURES

- Specially designed adhesive
- Controlled adhesive thickness
- Polyethylene coated release liner

BENEFITS

- Excellent adhesion to a variety of foam and fibers such as PUR en PE foam, and low surface energy substrates such as PP and painted steel
- High temperature and humidity resistance
- Excellent conformability to irregular and curved substrate surfaces
- Adhesion to difficult shapes
- Facilitates easy removal at point of application



CONSTRUCTION

Liner: White polyethylene coated paper

Adhesive: Solvent modified acrylic adhesive

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		4.53	0.115	115
Adhesive		2.76	0.070	70
Total Caliper		7.28	0.185	185
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / m
Stainless Steel	20 min dwell	4.05	65	710
	24 hr dwell	4.91	79	860
PP	20 min dwell	3.71	59	650
	24 hr dwell	4.11	66	720
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial	3.7	58	640
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²)				
SUBSTRATE		Min to Fail		
Stainless Steel	23°C, 2500g	> 10000		
Stainless Steel	80°C, 1000g	> 10000		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	+10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			248 °F	+120 °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