

TECHNICAL DATA SHEET

Avery Dennison™ FT B2170 is part of a range of assembling systems consisting of a thin carrier (paper, non woven, film or others), coated on both sides with a uniform layer of adhesive. The adhesives used are pressure-sensitive acrylic polymer or synthetic rubber based formulations. FT B2170 is produced in roll format with a single release liner.

FEATURES

- Modified acrylic adhesive
- Clear PET film carrier
- Yellow release liner

BENEFITS

- High tack, peel properties with medium shear resistance
- Resistant to water, detergents and alcohol
- Medium resistance to plasticizers and medium outdoor resistance.
- Not recommended for use in contact with aliphatic or aromatic hydrocarbons



CONSTRUCTION

Liner: Siliconised yellow paper

Adhesive 1: Modified acrylic

Carrier: PET film 12 μ

Adhesive 2: Modified acrylic

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		2.95	0.075	75
Carrier & Adhesive		3.54	0.090	90
Total Caliper		6.50	0.165	165
PEEL ADHESION (FTM 1)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel (ref Nokoro 304 poli. N°4)	20 min dwell	6.17	98.7	1080
	72 hr dwell	6.17	98.7	1080
LOOP TACK (FTM 9)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel (ref Nokoro 304 poli. N°4)	Initial	6.85	109.6	1200
STATIC SHEAR (FTM 8)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel (ref Nokoro 304 poli. N°4)	Initial	400		
TEMPERATURES			°F	°C
Minimum Application Temperature			32 °F	0 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			266 °F	130 °C
Short Term Resistance (S.A.F.T 500grs)			374 °F	190 °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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