

## TECHNICAL DATA SHEET

**Avery Dennison™ FT B2173** is a double coated pressure sensitive adhesive system for assembling purposes. The adhesive used is a high performance dispersion based acrylic which makes this product ideal for applications requiring high temperature resistance combined with light duty needs: reclosure of flexible bags, poster mounting, double glazing (spacer bars), etc. The adhesive and this tape construction are approved for food contact applications.

### FEATURES

- Dispersion based pure acrylic adhesive
- Clear PET film carrier
- Easy release glassine liner

### BENEFITS

- Medium tack, peel and shear properties
- 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
- Excellent water jet and die cutting characteristics
- Provides dimensional stability
- The adhesive MI165 has been tested for food contact and may be used safely in the fabrication of the label construction FT B2173 which is in turn employed as adhesive tape on the exterior side of resealable flexible packaging bags



### CONSTRUCTION

**Liner:** White glassine liner

**Adhesive 1:** Dispersion-based pure acrylic

**Carrier:** Clear PET film

**Adhesive 2:** Dispersion-based pure acrylic



Performance  
Tapes

## Adhesive Properties

## Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		2.20	0.056	56
Carrier & Adhesive		2.36	0.060	60
Total Caliper		4.56	0.116	116
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell			
	72 hr dwell	3.65	58	639
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	Initial	2.28	36	399
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm <sup>2</sup> ) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial	> xxx		
TEMPERATURES			°F	°C
Minimum Application Temperature			32 °F	0 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			345 °F	175 °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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