

## TECHNICAL DATA SHEET

### Avery Dennison™ FT 165

#### FEATURES

- Low coat-weight rubber adhesive
- Uniform adhesive thickness
- Flexible adhesive film
- Easy release liner with optional fingerlift extension

#### BENEFITS

- Minimizes thickness disturbance of the converted paper constructions
- Consistent application performance
- Good conformability to flat or curved surfaces
- Liner ensures rapid and easy line removal at point of application



#### CONSTRUCTION

**Liner:** White glassine

**Adhesive:** Permanent synthetic rubber adhesive



Performance  
Tapes

## Adhesive Properties

## Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		2.28	0.058	58
Adhesive		1.18	0.030	30
Total Caliper		3.46	0.088	88
<b>PEEL ADHESION (ASTM D3330)</b> 180° (12") 300 mm / min @ Room Temp				
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>US Oz / In</b>	<b>N / Meter</b>
Stainless Steel	20 min dwell	4.57	73	800
	24 hr dwell	5.25	84	920
Polycarbonate	20 min dwell	4.17	67	730
	24 hr dwell	4.31	69	755
Painted Steel	20 min dwell	4.11	66	720
	24 hr dwell	4.23	68	740
Rigid Polypropylene	20 min dwell	3.94	63	690
	24 hr dwell	4.05	65	710
<b>LOOP TACK (ASTM D6195)</b> (12") 300 mm / min @ Room Temp				
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>US Oz / In</b>	<b>N / Meter</b>
Stainless Steel	Initial	6.8	109	1190
<b>STATIC SHEAR (ASTM D3654)</b> 1"sq (6.25 cm <sup>2</sup> ) 1000 g @ Room Temp				
<b>SUBSTRATE</b>		<b>Min to Fail</b>		
Stainless Steel	Initial	> 5000		
<b>TEMPERATURES</b>			<b>°F</b>	<b>°C</b>
Minimum Application Temperature			50 °F	+10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			131 °F	+55 °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](http://www.tapes.averydennison.com)