

## TECHNICAL DATA SHEET

**Avery Dennison™ FT 2147** is permanent synthetic rubber adhesive transfer tape used to bond on a wide variety of substrates. Provides excellent adhesion to low surface energy materials such as PP, PE, TPO, ABS, PVC, polystyrene and a variety of metals.

### FEATURES

- Specially designed adhesive
- Uniform adhesive thickness
- Flexible adhesive film
- Plastic liner

### BENEFITS

- Excellent adhesion to a variety of metals, rigid and foamed plastics
- Consistent application performance
- Good conformability to flat or curved surfaces
- High temperature resistance
- Moisture stability
- High tear strength



### CONSTRUCTION

**Liner:** White polypropylene

**Adhesive:** Permanent synthetic rubber



Performance  
Tapes

Adhesive Properties		Typical Values		
<b>THICKNESS (ASTM D3652)</b>		<b>US Mils</b>	<b>MM's</b>	<b>Micron's (µm)</b>
Liner		4.0	0.102	102
Adhesive		2.4	0.060	60
Total Caliper		6.4	0.162	162
<b>PEEL ADHESION (ASTM D3330)</b>				
180° (12") 300 mm / min @ Room Temp				
<b>SUBSTRATE</b>			<b>Lbf / in</b>	<b>N / Meter</b>
Stainless Steel	20 min dwell		5.4	951
	24 hr dwell		5.4	951
Painted Steel	20 min dwell		6.4	1127
	24 hr dwell		7.3	1286
Polycarbonate	20 min dwell		8.1	1426
	24 hr dwell		8.6	1514
Polypropylene	20 min dwell		5.4	898
	24 hr dwell		5.1	898
<b>LOOP TACK (ASTM D6195)</b>				
(12") 300 mm / min @ Room Temp				
<b>SUBSTRATE</b>			<b>Lbf / in</b>	<b>N / Meter</b>
Glass	Initial		8.1	1426
<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		> 600	
<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			175° F	105° C

Note: The listed values are typical only and not intended to serve as product specifications

## APPLICATION TECHNIQUES

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / 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:

**North America:** +1 866 462 8379

**Asia Pacific:** +86 512 57155001

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