

## TECHNICAL DATA SHEET

**Avery Dennison™ FT 73320** is a double coated tape with a polyester carrier, and with a high adhesion rubber adhesive, specifically designed for insulation pipe closure applications. The tape adheres very well on low surface energy materials such as polyethylene, up to high surface energy materials like aluminium. Depending on the normation, the tape can meet relevant flammability requirements in pipe insulation structures.

### FEATURES

- High tack adhesive
- Strong plastic carrier
- Easy release liner

### BENEFITS

- Provides excellent initial adhesion to a wide variety of substrates
- Suitable for the bonding of PE coated aluminium
- Provides excellent dimensional stability
- Improves die-cutting efficiency
- Facilitates easy removal at point of application (fingerlift system)



### CONSTRUCTION

**Liner:** White colored glassine paper

**Adhesive 1:** Permanent synthetic rubber adhesive

**Carrier:** 12 micron transparent PET film

**Adhesive 2:** Permanent synthetic rubber adhesive



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	2.76	0.070	70
Carrier + adhesive	3.15	0.080	80
Total Caliper	5.91	0.150	150
<b>PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp</b>			
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>N / Meter</b>
Stainless Steel	20 min dwell	7.94	1390
	24 h dwell	8.19	1430
Aluminum (panel)	20 min dwell	7.75	1360
	24 h dwell	7.90	1385
Polyethylene (panel)	20 min dwell	3.72	650
	24 h dwell	3.80	665
<b>LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp</b>			
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>N / Meter</b>
Glass		9.67	1695
<b>DYNAMIC SHEAR (ASTM D- 1002) 1"sq (6.25 cm<sup>2</sup>) 2mm / min @ Room Temp</b>			
<b>SUBSTRATE</b>		<b>Lbf / in<sup>2</sup></b>	<b>kPa</b>
Stainless Steel	20 min dwell	63.23	435
<b>STATIC SHEAR (ASTM D-3654) 1"sq (6.25 cm<sup>2</sup>) 2mm / min @ Room Temp - 1000g</b>			
<b>SUBSTRATE</b>		<b>Min to fail</b>	
Stainless Steel	24 h dwell	>10000	
<b>SAFT (ASTM 3654) 1"sq (6.25 cm<sup>2</sup>) 500g</b>			
<b>SUBSTRATE</b>		<b>Fail Temp °C</b>	
Stainless Steel	24 h dwell	50	
Minimum Application Temperature		41 °F	5 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		140 °F	60 °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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