

## TECHNICAL DATA SHEET

**Avery Dennison™ FT 349** is a double coated tape with a permanent soft synthetic rubber adhesive for applications requiring aggressive adhesion on rough or foam substrates.

### FEATURES

- Extremely high tack adhesive
- Thick adhesive mass
- Strong yet conformable polypropylene carrier
- Easy release liner

### BENEFITS

- Provides excellent initial adhesion to a wide variety of substrates
- Good bonding to uneven surfaces
- Provides exceptional dimensional stability
- Facilitates easy removal at point of application



### CONSTRUCTION

**Liner 1:** Blue-green glassine

**Adhesive 1 Liner:** Rubber

**Carrier:** Polypropylene

**Adhesive 2 Unwind:** Rubber

## Adhesive Properties

## Typical Values

THICKNESS (ASTM D-3652)			US Mil's	MM's	Micron's (µm)
Liner			3.15	0.080	80
Adhesive + Carrier			5.71	0.145	145
Total Caliper			8.86	0.225	225
<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	Liner	20 min dwell	5.6	90	981
		24 hr dwell	5.7	90	989
Polycarbonate	Liner	20 min dwell	5.3	84	919
		24 hr dwell	5.3	85	930
Painted Steel	Liner	20 min dwell	5.5	88	960
		24 hr dwell	5.5	88	960
Polypropylene	Liner	20 min dwell	4.2	68	741
		24 hr dwell	4.4	70	770
<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>
Glass	Initial		9.1	146	1600
<b>STATIC SHEAR (ASTM D3654)</b>					
1"sq (6.25 cm <sup>2</sup> )1000 g @ Room Temp				<b>Min to Fail</b>	
Stainless Steel	Initial		> 1,800		
<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				158 °F	70 °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 dry, and free of grease or oil

## 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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