

## TECHNICAL DATA SHEET

### Avery Dennison™ FT 7420

#### FEATURES

- High tack adhesive
- High coat-weight adhesive
- Strong yet conformable plastic carrier
- Easy release liner

#### BENEFITS

- Provides excellent initial adhesion to a wide variety of substrates
- Suitable for the bonding to flat and embossed surfaces
- Provides excellent dimensional stability
- Reinforcement of flexible substrates
- Improves die-cutting efficiency
- Facilitates easy removal at point of application



#### CONSTRUCTION

**Liner:** Havana (yellow/brown) colored glassine

**Adhesive 1:** Permanent synthetic rubber adhesive

**Carrier:** Polypropylene film

**Adhesive 2:** Permanent synthetic rubber adhesive

## Adhesive Properties

## Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		2.95	0.075	75
Carrier & Adhesive		5.71	0.145	145
Total Caliper		8.66	0.220	220
<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	11.13	178	1950
	24 hr dwell	11.71	187	2050
Polycarbonate	20 min dwell	11.59	185	2030
	24 hr dwell	12.39	198	1220
Painted Steel	20 min dwell	9.71	155	1700
	24 hr dwell	9.82	157	1720
Rigid Polypropylene	20 min dwell	7.99	128	1350
	24 hr dwell	8.28	1132	1400
<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>
SS	Initial	13.1	210	2300
<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	> 1000		
<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			176 °F	80 °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:

North America: +1 866 462 8379

Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

[www.tapes.averydennison.com](http://www.tapes.averydennison.com)