

## TECHNICAL DATA SHEET

**Avery Dennison™ FT B1121** is a differential double coated pure solvent acrylic/solvent rubber tape, designed for applications where a high tack but low adhesion is required to low surface energy materials on the laminating side and where the mounting side requires a plasticizer resistant and repositionable adhesive layer. Ideally used for bonding polyurethane foam, polyester fibers, felts and fabrics to a wide variety of substrates. Typically designed protective pads, reclosure systems and removable fixation options.

### FEATURES

- High tack laminating adhesive
- Differential adhesive system
- Service temperature up to 90 °C
- Easy release and resistant liner
- Strong, conformable filmic carrier

### BENEFITS

- Mounting side: removable pure acrylic adhesive providing excellent resistance against plasticizers and offering repositionability when mounted
- Laminating side: high tack to a wide variety of LSE substrates with medium adhesion, enabling repositionability
- Suitable for high temperature bonding applications
- Improved die-cutting characteristics
- Moisture resistant liner
- Facilitates easy removal at point of application



### CONSTRUCTION

**Liner:** White polyethylene protected paper

**Adhesive 1:** Pure solvent acrylic

**Carrier:** Transparent polyester film 12 µm

**Adhesive 2:** Solvent 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	4.92	0.125	125
Total Caliper without liner	2.76	0.07	70
Total Caliper	7.68	0.195	195
<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 mounting side	72 hr dwell	1.1	200
Stainless Steel laminating side		3.4	600
<b>LOOP TACK (ASTM D6195)</b>			
(12") 300 mm / min @ Room Temp			
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>N / Meter</b>
Glass mounting side		1.1	200
Glass laminating side		2.9	500
<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	24 hr dwell	3000	
<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	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)