

## TECHNICAL DATA SHEET

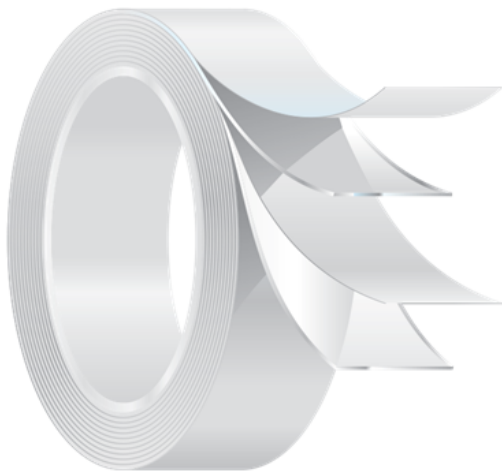
**Avery Dennison™ FT B2100** is part of a range of assembling systems consisting of a thin carrier (paper, non woven, film or others), coated on both sides with a uniform layer of adhesive. The adhesives used are pressure-sensitive acrylic polymer or synthetic rubber based formulations.

### FEATURES

- High tack and adhesion laminating adhesive
- Very high shear resistance
- Service temperature up to 180 °C
- Easy release and resistant liner

### BENEFITS

- Consists of a thin polyester film coated on both sides with a solvent based pure acrylic adhesive. It offers high tack and peel properties, and very high shear resistance.
- Produced in self-wound format on a white kraft paper PE coated on both sides
- General bonding of substrate requiring resistance to plasticizer migration



### CONSTRUCTION

**Liner:** White polyethylene protected paper

**Adhesive 1:** Pure solvent acrylic

**Carrier:** Transparent polyester film 12 µm

**Adhesive 2:** Pure solvent acrylic

**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	5.12	0.130	130
Total Caliper	10.04	0.255	255
<b>PEEL ADHESION (FTM 1))</b>			
180° (12") 300 mm / min @ Room Temp			
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>N / Meter</b>
Stainless Steel (ref Nokoro 304 poli. N°4)	20 min dwell	4.8	840
	72 hr dwell	5.25	920
<b>LOOP TACK (FTM 9))</b>			
(12") 300 mm / min @ Room Temp			
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>N / Meter</b>
Stainless Steel (ref Nokoro 304 poli. N°4)		4.57	800
<b>STATIC SHEAR (FTM 8))</b>			
1"sq (6.25 cm <sup>2</sup> )1000 g @ Room Temp			
<b>SUBSTRATE</b>		<b>Min to Fail</b>	
Stainless Steel (ref Nokoro 304 poli. N°4)	24 hr dwell	500	
<b>TEMPERATURES</b>		<b>°F</b>	<b>°C</b>
Minimum Application Temperature		50 °F	5 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		356 °F	180 °C
Short Term Resistance (S.A?F.T 500grs)		392 °F	200 °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)