

## TECHNICAL DATA SHEET

**Avery Dennison™ FT 7299** is a double coated tissue tape with a dispersion-based pure acrylic adhesive used for bonding polyurethane foam, polyester fibers, felts and fabrics to a wide variety of substrates. Provides good adhesion to medium and low surface energy materials such as PP, PE, TPO, ABS, PVC, polystyrene and painted metals along with the low VOC and fogging performance. Ideal for general purpose foam bonding applications such as gaskets, sound deadening and insulation materials in automotive, building and construction, appliance assembly and general industrial sub-assembly.

### FEATURES

- Dispersion-based pure acrylic adhesive
- APEO free adhesive
- Easy release glassine liner
- Broad range of service temperatures
- Tissue carrier

### BENEFITS

- Excellent resistance to solvents, chemicals, plasticizers, moisture, temperature and UV light
- Low VOC and fogging performance
- Good conformability to flat or curved surfaces
- Immediate initial adhesion for part placement
- Excellent water jet and die cutting characteristics
- Helps prevent elongation when laminated to soft/stretchable foams
- Allows hand tearing of tape



### CONSTRUCTION

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

**Adhesive 1:** Dispersion-based pure acrylic

**Carrier:** Tissue

**Adhesive 2:** Dispersion-based pure acrylic



Performance  
Tapes

**Adhesive Properties****Typical Values**

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		2.64	0.067	67
Carrier & Adhesive		3.94	0.100	100
Total Caliper		6.57	0.167	167
<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	72 hr dwell	5.71	91	1000
ABS	72 hr dwell	5.14	82	900
Polypropylene	72 hr dwell	4.57	73	800
<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	4.00	64	700
<b>TEMPERATURES</b>			<b>°F</b>	<b>°C</b>
Minimum Application Temperature			32 °F	0 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			302 °F	150 °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)