

TECHNICAL DATA SHEET

Avery Dennison™ FT 7790 is a double coated nonwoven 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
- Nonwoven 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
- Good tear resistance



CONSTRUCTION

Liner: Havana (yellow/brown) glassine liner

Adhesive 1: Dispersion-based pure acrylic

Carrier: Nonwoven

Adhesive 2: Dispersion-based pure acrylic



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		2.95	0.075	75
Carrier & Adhesive		4.53	0.115	115
Total Caliper		7.48	0.190	190
PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	72 hr dwell	6.28	100	1100
ABS	72 hr dwell	5.71	91	1000
Polypropylene	72 hr dwell	5.14	82	900
LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial	4.57	73	800
TEMPERATURES			°F	°C
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