

TECHNICAL DATA SHEET

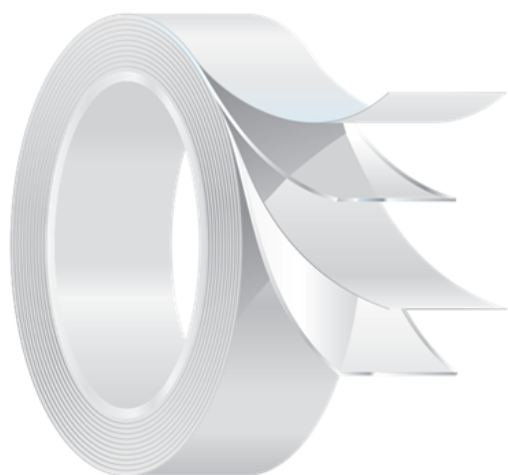
Avery Dennison™ FT 7770 is a double coated nonwoven tape with a dispersion-based modified acrylic adhesive used for bonding polyurethane foam, polyester fibers, felts and fabrics to a wide variety of substrates. Provides high adhesion to medium and low surface energy materials such as PP, PE, TPO, ABS, PVC, polystyrene and painted metals. 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 modified acrylic adhesive
- APEO free adhesive
- High initial tack
- Easy release glassine liner
- Broad range of service temperatures
- Nonwoven carrier

BENEFITS

- Excellent resistance to solvents, chemicals, plasticizers, temperature and UV light
- Medium resistance to moisture
- 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 modified acrylic

Carrier: Nonwoven

Adhesive 2: Dispersion-based modified acrylic



Performance
Tapes

Adhesive Properties**Typical Values**

THICKNESS (ASTM D3652)	US Mils	MM's	Micron's (µm)
Liner	2.95	0.075	75
Adhesive + Carrier	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	N / Meter
Stainless Steel	72 hr dwell	7.99	1400
ABS	72 hr dwell	7.42	1300
Polypropylene	72 hr dwell	6.85	1200
LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / Meter
Glass		6.28	1100
TEMPERATURES		°F	°C
Minimum Application Temperature		50 °F	10 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		266 °F	130 °C

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / 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:

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www.tapes.averydennison.com