

TECHNICAL DATA SHEET

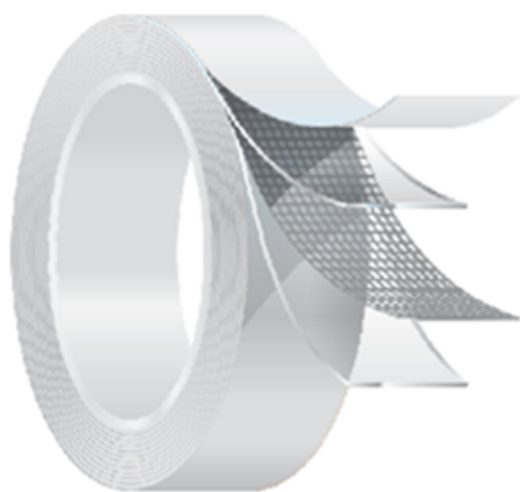
Avery Dennison™ FT 7999 is a double coated scrim tape with a dispersion-based pure acrylic adhesive used for bonding polyurethane foam, polyester fibers, felts and fabrics to a wide variety of substrates. Provides good adhesion to medium and low surface energy materials such as PP, PE, TPO, ABS, PVC, polystyrene and painted metals along with 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
- Polyester scrim reinforcement

BENEFITS

- Excellent resistance to solvents, chemicals, plasticizers, moisture, temperature and UV light
- Good conformability to flat or curved surfaces
- Immediate initial adhesion for part placement
- Excellent water jet and die cutting characteristics
- Low VOC and fogging performance
- Helps provide tear resistance



CONSTRUCTION

Liner: Havana (yellow/brown) glassine
Adhesive 1: Dispersion-based pure acrylic
Carrier: Polyester scrim
Adhesive 2: Dispersion-based pure acrylic



Performance
Tapes

Adhesive Properties	Typical Values		
	US Mils	MM's	Micron's (µm)
THICKNESS (ASTM D3652)			
Liner	2.64	0.067	67
Adhesive + Carrier	3.94	0.100	100
Total Caliper	6.57	0.167	167
PEEL ADHESION (ASTM D3330)			
180° (12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / Meter
Stainless Steel	72 hr dwell	5.14	900
ABS	72 hr dwell	4.57	800
Polypropylene	72 hr dwell	4.00	700
LOOP TACK (ASTM D6195)			
(12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / Meter
Glass		4.57	800
STATIC SHEAR (ASTM D3654)			
1"sq (6.25 cm ²)1000 g @ Room Temp			
			Min to Fail
			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 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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Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

www.tapes.averydennison.com