

TECHNICAL DATA SHEET

Avery Dennison™ FL 545 is a single coated aluminium foil tape with a rubber based adhesive used for sealing ventilation, air conditioning systems, heat and light reflectors, joining and sealing applications and electromagnetic shielding of appliances.

FEATURES

- Dead soft aluminium foil
- Rubber based adhesive
- Easy release glassine liner

BENEFITS

- High tack and adhesion properties for average temperature applications
- Excellent resistance to moisture and plasticizers
- Medium resistance to temperature, solvents and UV light
- Fire classification: **B-s1,d0** according to the standard EN 13501-1:2018



CONSTRUCTION

Facestock: Gloss aluminum foil 50 µm

Adhesive: Solvent rubber

Liner: Brown glassine

Adhesive Properties	Typical Values		
	US Mils	MM's	Micron's (µm)
THICKNESS (ASTM D3652)			
Liner	2.20	0.056	56
Adhesive + Carrier	3.93	0.100	100
Total Caliper	6.14	0.156	156
PEEL ADHESION (ASTM D3330)			
180° (12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / Meter
Stainless Steel	20 min dwell	4.5	790
	24 hr dwell	5.0	870
LOOP TACK (ASTM D6195)			
(12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / Meter
Glass		5.7	550
STATIC SHEAR (ASTM D3654)			
1" sq (6.5 cm ²); 1000 g			
SUBSTRATE		Min to Fail	
Stainless Steel		> 250"	
TEMPERATURES		°F	°C
Minimum Application Temperature		50 °F	10 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		175 °F	80 °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, 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:

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