



FL 546

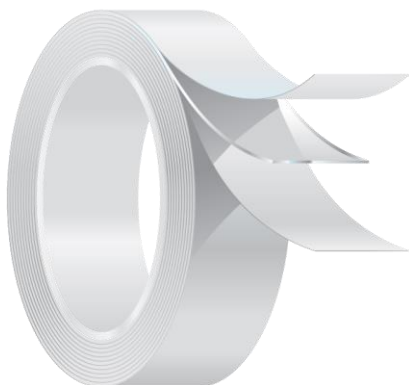
Avery Dennison FL 546 is a single coated aluminium foil tape with a dispersion acrylic adhesive used for sealing ventilation, air conditioning systems, heat and light reflectors, joining and sealing applications and electromagnetic shielding of appliances.

FEATURES:

- Dead soft aluminium foil
- Dispersion acrylic adhesive
- Easy release glassine liner

BENEFITS:

- Medium tack and adhesion properties for high temperature applications
- High resistance to moisture and plasticizers
- High shear resistance
- Excellent resistance to temperature, solvents and UV light



CONSTRUCTION:

Facestock:

Gloss aluminium foil 50µm

Adhesive:

Pure dispersion acrylic

Liner:

Brown glassine

FL 546

Adhesive Properties	Typical Values			
	US Mils		mm	Microns (µm)
THICKNESS				
Adhesive + Facestock	2.95		0.075	75
Liner	2.64		0.067	67
Total	5.59		0.142	142
*PSTC-133				
PEEL ADHESION				
2 mil PET; 180°; 12" / min				
Substrate	Lbf / in		N / Meter	
	20 min	24 hr	20 min	24 hr
Stainless steel	3.0	3.8	520	670
*PSTC-101, ASTM D-3330, STD-10				
LOOP TACK				
2 mil PET; 90°; 20" / min; 1" sq (6.5 cm ²)				
Substrate	Lbf / in		N / Meter	
Stainless steel	2.7		470	
*PSTC-16, STD-7				
STATIC SHEAR				
Foil; 1" sq (6.5 cm ²); 1000 g				
Min to Fail >500				
*PSTC-107, ASTM D 3654, STD-9				
TEMPERATURES				
Min. Application Temp.	50°F		10°C	
Max. Continuous Operating Temp.	257°F		125°C	
Max. Intermittent Operating Temp.	356°F		180°C	
*TEST METHODS				

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 AND SHELF LIFE

The shelf life of the product is two years when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, in original packaging.

Please refer to Tapes.AveryDennison.com for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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