



## FL 545

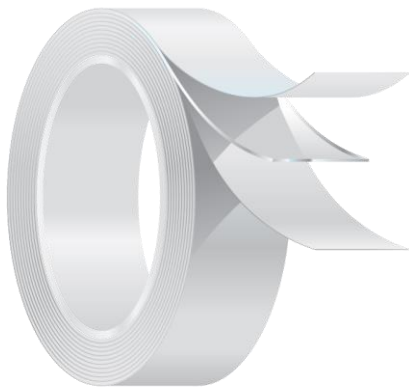
Avery Dennison FL 545 is a single coated aluminium foil tape with a rubber based adhesive used for sealing ventilation, air conditioning systems, heat and light reflectors, joining and sealing applications and electromagnetic shielding of appliances.

### 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
- Skin contact approval: The adhesive of FL 545 has been lab tested and its Primary Irritation Index (P.I.I.) was calculated to be 0,6, « slightly irritating » in accordance with the criteria of ECETOC (European Center for Ecotoxicology and Toxicology Of Chemicals)



### CONSTRUCTION:

#### Facestock:

Gloss aluminium foil 50µm

#### Adhesive:

Solvent rubber

#### Liner:

Brown glassine

## FL 545

| Adhesive Properties                                     | Typical Values  |       |                  |              |
|---|-----------------|-------|------------------|--------------|
|   | US Mils         |       | mm               | Microns (µm) |
| <b>THICKNESS</b>  |                 |       |                  |              |
| Adhesive + Facestock                                    | 3.93            |       | 0.100            | 100          |
| Liner   | 2.20            |       | 0.056            | 56           |
| Total   | 6.14            |       | 0.156            | 156          |
| *PSTC-133   |                 |       |                  |              |
| <b>PEEL ADHESION</b>                                    |                 |       |                  |              |
| 2 mil PET; 180°; 12" / min                              |                 |       |                  |              |
| <b>Substrate</b>  | <b>Lbf / in</b> |       | <b>N / Meter</b> |              |
|   | 20 min          | 24 hr | 20 min           | 24 hr        |
| Stainless steel   | 4.5             | 5.0   | 790              | 870          |
| *PSTC-101, ASTM D-3330, STD-10                          |                 |       |                  |              |
| <b>LOOP TACK</b>  |                 |       |                  |              |
| 2 mil PET; 90°; 20" / min; 1" sq (6.5 cm <sup>2</sup> ) |                 |       |                  |              |
| <b>Substrate</b>  | <b>Lbf / in</b> |       | <b>N / Meter</b> |              |
|   | 5.7             |       | 550              |              |
| Stainless steel   | 5.7             |       | 550              |              |
| *PSTC-16, STD-7   |                 |       |                  |              |
| <b>STATIC SHEAR</b>                                     |                 |       |                  |              |
| Foil; 1" sq (6.5 cm <sup>2</sup> ); 1000 g              |                 |       |                  |              |
| >250  |                 |       |                  |              |
| *PSTC-107, ASTM D 3654, STD-9                           |                 |       |                  |              |
| <b>TEMPERATURES</b>                                     |                 |       |                  |              |
| Min. Application Temp.                                  | 50°F            |       | 10°C             |              |
| Max. Continuous Operating Temp.                         | 194°F           |       | 90°C             |              |
| Max. Intermittent Operating Temp.                       | 212°F           |       | 100°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](http://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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