

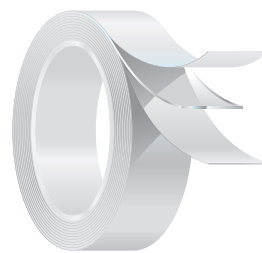


FL 547

FL 547 is part of a range of self-adhesive tapes which are used as sealing material in the insulation field as well as for other industrial applications. The face materials used are aluminium or synthetic foils. The adhesives are acrylic polymer or synthetic rubber based formulations.

CONSTRUCTION & TYPICAL APPLICATION:

- Consists of a dead soft aluminium foil coated with an acrylic adhesive.
- Offers very good tack and adhesion properties at normal temperatures.
- Protected by a paper liner.
- Insulation: to make water/air tight — in ventilation, air conditioning systems, heat and light reflectors, joining and sealing applications, electromagnetic shielding of appliances.



- Aluminium foil 50µ
- Emulsion based Acrylic Adhesive
- Siliconised yellow paper

Adhesion with Substrates

| | | | |
|----------------------|--------|------------------|--------|
| Metal / Aluminium | Medium | Acrylic / PET | Medium |
| Glass / Ceramics | Medium | Polystyrene | Medium |
| Painted Surface | Medium | PP / PE / PS | Medium |
| Wood / Board / Paper | Medium | Textile / Cotton | Medium |
| Soft PVC | Low | Rubber / EPDM | Medium |
| Rigid PVC | Medium | Smooth Substrate | Medium |
| PC / ABS | Medium | Rough Substrate | Low |

RESISTANCE:

- Resistant to water, detergents and alcohol. Medium resistance to plasticizers. Low outdoor resistance. Not recommended for use in contact with aliphatic or aromatic hydrocarbons.

SHELF LIFE:

- 2 years when stored at 15/25° C and ± 50% relative humidity.

FL 547

| ADHESIVE DATA | Typical Values* | Test Method |
|--|-----------------|----------------|
| Quick Tack (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) | 19 | FTM 9 |
| Peel 180° (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) - after 20 minutes - after 24 hours | 13 14 | FTM 1 FTM 1 |
| Shear on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mm x 25mm (hours) | > 200 | FTM 8 |

| CARRIER DATA | Typical Values* | Test Method |
|-----------------------------------|-----------------|-------------|
| Thickness (μ) | 50 | ISO 534 |
| Tensile (N/15mm) | > 25 | DIN 53455 |
| Vapor Transmission (perm.) | < 0,1 | DIN 53122 |

| TEMPERATURE RESISTANCE | Typical Values* | Test Method |
|--|------------------|-----------------|
| Minimum Application Temperature | - 15°C | |
| End-use Temperature Range | - 30°C to + 90°C | |
| Short Term Resistance | + 180°C | S.A.F.T. 500grs |

| RELEASE LINER | Typical Values* | Test Method |
|------------------------------|-----------------|-------------|
| Yellow Silicone Paper | 65 gr/sqm | ISO 536 |

| THICKNESS | Typical Values* | Test Method |
|---------------------------|-----------------|-------------|
| Carrier + Adhesive | 75μ | ISO 534 |

*Values given are typical and are not necessarily for use in 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

IMPORTANT NOTICE:

Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their specific purposes. All Avery Dennison materials described herein are sold subject to Avery Dennison Conditions of Sales, a copy of which is available upon request.

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Performance
Tapes

Asia Pacific

Kunshan, China,
No. 618 Nanhe Road
Kunshan Economic &
Technological Zone
China 215335
Phone: +86 512 57155001
Fax: +86 512 57155059

Europe

Tieblokkenlaan 1
B-2300 Turnhout
Belgium
Phone: +32 (0)14 40 48 11
Fax: +32 (0)14 40 48 55

Bld J.F. Kennedy 1
7060 Soignies
Belgium
Phone: +32 (0)14 404 963
Fax: +32 (0)14 40 48 55

North America

250 Chester Street
Painesville, Ohio
44077 USA
Phone: +1 866-462-8379
Fax: +1 888-358-4469

For more information on our bonding tapes and adhesive solutions,
visit [Tapes.AveryDennison.com](https://www.tapes.averydennison.com)