



PRODUCT INFORMATION

tesa 4957 **Double Sided PE Foam Tape**

Product Description/ Application:

tesa 4957 is a white double-sided self-adhesive tape consisting of a PE foam backing and a modified acrylic adhesive.

tesa 4957 features esp.

- an immediate bonding even on rough surfaces due to the high conformability of the soft PE foam,
- high bonding strength at low mounting pressure,
- long-term ageing resistance.

tesa 4957 is used for applications like

- Mounting of self-adhesive floor edge trims,
- Mounting of self-adhesive cable channels,
- Mounting of window sealing trims,
- Mounting of shelf edge labelling systems.

Product Design:

| Backing | Adhesive | Thickness* | Colour |
|---------|-------------------|------------|--------|
| PE-foam | tackified acrylic | 1100 µm | white |

Liner:

| Colour | Type | Thickness* | Weight* |
|--------|----------------|------------|---------------------|
| brown | glassine paper | 70 µm | 80 g/m ² |

* Mean values / parameter of the specification

Dimensions:

| Stock Items | |
|---|--|
| <u>Pancake rolls</u> : 25 m x 9, 12, 19, 25 mm | <u>Spools</u> : 700 m x 15mm ; 900 m x 12 mm ; 1200 m x 9 mm ; 1800 m x 6 mm |

Other dimensions on request.

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tesa self-adhesive tapes are used successfully in many sectors to solve a variety of problems. Our publications contain numerous examples of such uses, intended to help towards a solution of your particular problems. Each tesa product has been developed for a particular range of applications. Nevertheless, experience has shown that even for one and the same objective, the exact requirements may differ from case to case. We, therefore, recommend that you carry out your own tests in each case, to confirm that the tesa self-adhesive tape which you envisage using is appropriate for your particular application. The Advisory Section of our Technical Service Department will be happy to assist. All information and recommendations are given by us in good faith, on the basis of practical experience, but without warranty.

Technical Data 4957

Mean values / parameters of the specification

Peel adhesion on different surfaces:

| | immediately [N/cm] | after 14 days [N/cm] |
|-----------|--------------------|----------------------|
| Steel | > 4,0 * | > 4,0 * |
| Aluminium | > 4,0 * | > 4,0 * |
| ABS | > 4,0 * | > 4,0 * |
| PC | > 4,0 * | > 4,0 * |
| PS | > 4,0 * | > 4,0 * |
| PET | > 4,0 * | > 4,0 * |
| PVC | > 4,0 * | > 4,0 * |
| PP | 1,8 | 3,3 |
| PE | 1,7 | 2,2 |

* foam splitting during measurement

Temperature resistance

| | |
|------------|-------|
| Short Term | 80 °C |
| Long Term | 80 °C |

Mechanical properties

| | |
|------------------|------------|
| Tensile strength | ≥ 9 N/15mm |
| Elongation | ≥ 200 % |

Results of laboratory evaluation

Static shear resistance (1000 g / 13 mm x 20 mm)

| | |
|------|---|
| 23°C | + |
| 40°C | + |

| | |
|---------------------|---|
| Tack (Rolling Ball) | 0 |
|---------------------|---|

| | |
|---------------------|---|
| Softener resistance | 0 |
|---------------------|---|

| | |
|---------------------|----|
| Humidity resistance | ++ |
|---------------------|----|

| | |
|--------------------|---|
| Solvent resistance | + |
|--------------------|---|

| | |
|------------------------|---|
| Ageing resistance (UV) | + |
|------------------------|---|

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7100-04/02

| | | | | |
|-------------|------------------|------------|--------------|-----------|
| Evaluation: | very good (++) | good (+) | medium (O) | low (-) |
|-------------|------------------|------------|--------------|-----------|

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A Beiersdorf Company



Quality
management

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Product name and -number: tesa 4957

| Date of last Version: | Date of Alteration | Subject of Alteration | Kst / PM | Kst. / F & E |
|-----------------------|--------------------|---|------------------------|------------------|
| | 06/00 | Modification layout, adding of technical data | 3510/ Strotmann | 3244/ Lohmann |
| | 04/02 | Modification stock items | 7100/ Grostabussiat | |
| | | | | |

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