



tesa[®] 4943

Product Information



Double-sided non-woven tape

Product Description

tesa[®] 4943 is a double-sided tape consisting of a non-woven backing equipped with a solvent-based tackified acrylic adhesive.

Product Features

- It provides a high initial tack and a good shear resistance.

Application Fields

- Lamination of leather, textiles and foams
- Mounting of light parts such as signs, covers and nameplates
- Sealing of bags and envelopes
- Splicing

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- | | | | |
|--------------------|--------------------|-----------------------------------|-------------------|
| • Backing | non-woven | • Color | translucent |
| • Type of adhesive | tackified acrylic | • Color of liner | white |
| • Type of liner | PE-coated paper | • Thickness of liner | 120 µm |
| • Total thickness | 100 µm 3.9 mils | • Type of adhesive (covered side) | tackified acrylic |

Properties/Performance Values

- | | | | |
|--------------------------|----------------------|-------------------------------------|------------------|
| • Elongation at break | 2 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 9 N/cm 5.1 lbs/in | • Static shear resistance at 40°C | medium |
| • Ageing resistance (UV) | good | • Static shear resistance at 70°C | good |
| • Chemical Resistance | medium | • Tack | good |
| • Fogging | good | • Temperature resistance long term | 70 °C 158 °F |
| • Humidity resistance | good | • Temperature resistance short term | 100 °C 212 °F |



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Adhesion to Values

| | | | |
|-----------------------------|------------------------|-------------------------|-------------------------|
| • ABS (initial) | 6.6 N/cm 60.3 oz/in | • PET (after 14 days) | 5.4 N/cm 49.3 oz/in |
| • ABS (after 14 days) | 7.1 N/cm 64.9 oz/in | • PS (initial) | 6.9 N/cm 63 oz/in |
| • Aluminium (initial) | 3.6 N/cm 32.9 oz/in | • PVC (initial) | 6.1 N/cm 55.7 oz/in |
| • Aluminium (after 14 days) | 4.2 N/cm 38.4 oz/in | • PVC (after 14 days) | 10.8 N/cm 98.7 oz/in |
| • PC (initial) | 7.7 N/cm 70.3 oz/in | • Steel (initial) | 5.5 N/cm 50.2 oz/in |
| • PC (after 14 days) | 7.1 N/cm 64.9 oz/in | • Steel (after 14 days) | 8.1 N/cm 74 oz/in |
| • PET (initial) | 4.6 N/cm 42 oz/in | | |

Additional Information

Liner variants:

PV0 white PE-coated paper plain

PV4 white PE-coated paper with blue tesa logo

Disclaimer

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