



tesa[®] 51928

Product Information

125µm double sided black filmic tape

Product Description

tesa[®] 51928 is a double-sided self-adhesive tape consisting of a black PET backing and a modified acrylic adhesive.

Product Features

- An excellent balance of good holding power and bonding performance
- Sufficient bond even to critical surfaces such as diverse foams and rubber materials and at elevated temperatures.
- High initial tack to immediately grab to the bonding surface

Application Fields

- Mounting of batteries to battery packs in Electronic devices
- Mounting of ABS plastic parts in the automotive industry
- Mounting of decorative profiles and mouldings in the furniture industry

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 | PET film | • Total thickness | 125 µm |
| • Type of adhesive | tackified acrylic | • Color | black |

Properties/Performance Values

- | | | | |
|--------------------------|-----------|-------------------------------------|-----------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 20 N/cm | • Static shear resistance at 40°C | good |
| • Ageing resistance (UV) | very good | • Tack | very good |
| • Chemical Resistance | good | • Temperature resistance long term | 100 °C |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C |
| • Softener resistance | good | | |



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Adhesion to Values

| | | | |
|-----------------------------|-----------|-------------------------|-----------|
| • ABS (initial) | 8.2 N/cm | • PET (after 14 days) | 8.7 N/cm |
| • ABS (after 14 days) | 9.7 N/cm | • PP (initial) | 4.8 N/cm |
| • Aluminium (initial) | 8.1 N/cm | • PP (after 14 days) | 6.4 N/cm |
| • Aluminium (after 14 days) | 11.1 N/cm | • PS (initial) | 8.8 N/cm |
| • PC (initial) | 10.3 N/cm | • PS (after 14 days) | 9.4 N/cm |
| • PC (after 14 days) | 11.5 N/cm | • PVC (initial) | 7.2 N/cm |
| • PE (initial) | 4.9 N/cm | • PVC (after 14 days) | 10.1 N/cm |
| • PE (after 14 days) | 5.4 N/cm | • Steel (initial) | 9.6 N/cm |
| • PET (initial) | 7.4 N/cm | • Steel (after 14 days) | 12 N/cm |

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