



tesa® 51638 PV0



Product Information

PET fleece tape with waterborne acrylic adhesive

Product Description

tesa® 51638 is a tape for wire harness covering that is applied on passenger compartment harnesses. It combines important features as noise damping, abrasion resistance and bundling strength while keeping harnesses flexible, therefore supporting an easy harness assembly process at the OEM.

tesa® 51638 is a PET fleece wire harness tape with a water-based acrylic adhesive that is optimized for manual application.

Main features:

- Noise damping performance
- Basic abrasion resistant performance
- Flexible and smooth appearance
- Tear resistant for secure bundling of harnesses
- Stable unwind force for constant behavior when applying
- Ageing resistance performance
- Strong adhesion
- Hand-tearable for quick application
- Color: Black

Application Fields

tesa® 51638 is designed to provide good noise damping and secure bundling performances on the harness. The tape is mainly applied on harnesses for the passenger compartment, and the harness remains flexible after applying the tape.

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 fleece | • Total thickness | 260 µm |
| • Type of adhesive | water-based acrylic | | 10.2 mils |

Product Assortment

- Available colors orange, black

For latest information on this product please visit <http://l.tesa.com/?ip=51638>



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Product Information

Properties/Performance Values

- | | | | |
|---|-------------|-----------------------------------|-----------------------|
| • Elongation at break | 19.2 % | • Temperature resistance max. | 105 °C |
| • Tensile strength | 46.4 N/cm | | 221 °F |
| | 26.5 lbs/in | • Temperature resistance min. | -40 °C |
| • Abrasion resistance (10mm mandrel, LV312) | Class B | | -40 °F |
| • Abrasion resistance (5mm mandrel, LV312) | Class A | • Unwind force (roll width < 9mm) | 4.5 N/roll (30 m/min) |
| • Noise damping (LV312) | Class C | • Unwind force (roll width > 9mm) | 9 N/roll (30 m/min) |

Adhesion to Values

- | | |
|---------|----------|
| • Steel | 2.3 N/cm |
| | 21 oz/in |

Additional Information

Standard widths: 19, 25, 32 mm

Standard lengths: 25 m

- Further dimensions are available upon request
- Standard core diameter: 38 mm

Disclaimer

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