



tesa[®] 51638

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.

tesa[®] 51638 is manufactured in the USA, and qualifies as a NAFTA product.

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 |

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



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Product Information

Product Assortment

- Available colors orange, black

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

tesa[®] products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa[®] product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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