



# tesa<sup>®</sup> 51026

## Product Information



PET cloth tape for high abrasion protection of automotive harnesses

### Product Description

tesa<sup>®</sup> 51026 is a PET cloth tape with a solvent-free acrylic adhesive. It provides excellent abrasion protection of automotive harnesses and withstands high temperatures and demanding environmental conditions.

Its acrylic adhesive is compatible with new halogen-free cable jacketing materials (PE/PP) and provides enhanced durability at high temperatures.

Main features:

- High abrasion resistance
- High temperature resistance
- Excellent cable compatibility
- Resistant to aging
- Can withstand environmental influences
- Can be used for manual and automatic application
- Flame retardant
- Fogging-free
- Halogen-free
- Tear-resistant
- Constant unwind force
- Flexible and smooth

### Application Fields

tesa<sup>®</sup> 51026 has been specially designed for bundling and wire protection against abrasion of automotive harnesses. The main application field is the engine compartment of a car, with demanding temperature-related and environmental conditions.

### 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 cloth | • Total thickness | 260 µm    |
| • Type of adhesive | acrylic   |                   | 10.2 mils |



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### Properties/Performance Values

- |   |            |                                   |                      |
|---|------------|-----------------------------------|----------------------|
| • Elongation at break                       | 40 %       | • Temperature resistance max.     | 150 °C               |
| • Tensile strength                          | 275 N/cm   |                                   | 302 °F               |
|   | 157 lbs/in | • Temperature resistance min.     | -40 °C               |
| • Abrasion resistance (10mm mandrel, LV312) | Class D    |                                   | -40 °F               |
| • Abrasion resistance (5mm mandrel, LV312)  | Class D    | • Unwind force (roll width < 9mm) | 11 N/roll (30 m/min) |
| • Noise damping (LV312)                     | Class A    | • Unwind force (roll width > 9mm) | 11 N/roll (30 m/min) |

### Adhesion to Values

- |         |            |
|---------|------------|
| • Steel | 5.5 N/cm   |
|         | 50.2 oz/in |

### Additional Information

Standard widths: 9, 19, 25, 32 mm

Standard lengths: 25 m

- Most combinations of width and length are possible
- Further dimensions are available upon request
- Standard core diameter: 38 mm
- Applicable for red ring assembly aid

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=51026>