



tesa[®] 51007

Product Information



PET cloth tape for abrasion protection of automotive harnesses

Product Description

tesa[®] 51007 is a PET cloth tape with a rubber-based adhesive providing reliable abrasion protection of automotive harnesses. The unwind force is adapted for automatic bundling and allows high processing speeds.

The high adhesion and good flag resistance ensure secure harness bundling. The temperature resistance depends on the insulation material.

Main features:

- Resistant to abrasion
- High initial tack and adhesion
- Optimized for automatic wrapping
- Flag-resistant
- Can withstand environmental influences
- Constant unwind force – optimized for automatic application
- Aging-resistant
- Flame-retardant
- Flexible and smooth

Application Fields

tesa[®] 51007 has been specially designed for bundling and wire protection against abrasion. 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 | 320 µm |
| • Type of adhesive | rubber based | | 12.6 mils |



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Properties/Performance Values

- | | | | |
|---|-------------|-----------------------------------|---------------------|
| • Elongation at break | 22 % | • Temperature resistance max. | 150 °C |
| • Tensile strength | 175 N/cm | | 302 °F |
| | 99.9 lbs/in | • Temperature resistance min. | -40 °C |
| • Abrasion resistance (10mm mandrel, LV312) | Class C | | -40 °F |
| • Abrasion resistance (5mm mandrel, LV312) | Class B | • Unwind force (roll width < 9mm) | 6 N/roll (30 m/min) |
| • Noise damping (LV312) | Class A | • Unwind force (roll width > 9mm) | 6 N/roll (30 m/min) |

Adhesion to Values

- | | |
|---------|------------|
| • Steel | 4.5 N/cm |
| | 41.1 oz/in |

Additional Information

Standard widths: 9, 19, 25, 32 mm

Standard lengths: 50 m

- Most combinations of width and length are possible
- Further dimensions are available upon request
- Standard core diameter: 76 mm
- Applicable for red ring assembly aid

*On ETFE wires. Other insulation materials to be tested.

Disclaimer

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