



# tesa<sup>®</sup> 51007

## Product Information



PET cloth tape for abrasion protection of automotive harnesses

### Product Description

tesa<sup>®</sup> 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.

### Product 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<sup>®</sup> 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 |                   |        |



# tesa<sup>®</sup> 51007

## Product Information

### Properties/Performance Values

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

### Adhesion to Values

- Steel 4.5 N/cm

### 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

tesa<sup>®</sup> 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<sup>®</sup> 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.



For latest information on this product please visit <http://l.tesa.com/?ip=51007>