

tesa® 51006

PET cloth tape for bundling and wire protection of automotive harnesses against abrasion

tesa® 51006 is a PET cloth tape with a rubber-based adhesive providing reliable abrasion protection of automotive harnesses. The high initial tack, a constant unwind force and the flexible backing enable smooth and efficient application in the car body.

The high adhesion and good flag resistance ensure secure harness bundling. Its properties are optimized for manual application. The temperature resistance depends on the insulation material.

Main features:

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

Main Application

tesa® 51006 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 Data

▪ Backing material	PET cloth	▪ Temperature resistance (3000h)	150 °C
▪ Total thickness	320 µm	▪ Abrasion resistance (10mm mandrel)	Class C (acc. to LV312)
▪ Type of adhesive	rubber based	▪ Abrasion resistance (5mm mandrel)	Class B (acc. to LV312)
▪ Adhesion to steel	4.5 N/cm	▪ Flame resistance as composite	Class B (acc. to LV312)
▪ Elongation at break	22 %	▪ Unwind force (roll width ≤ 9mm)	6 N/roll (30 m/min)
▪ Tensile strength	175 N/cm	▪ Unwind force (roll width > 9mm)	10 N/roll (30 m/min)
▪ Temperature resistance min.	-40 °C	▪ Noise damping (decibel)	Class A (acc. to LV312)

For latest information on this product please visit <http://l.tesa.com/?ip=51006>

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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

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

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