



# tesa® 51036 AT01 OR

## Product Information

PET cloth tape for automated taping in e-mobility applications



## Product Description

tesa® 51036 AT01 is a flag-resistant PET cloth wire harness tape with a solvent-free advanced acrylic adhesive. tesa® 51036 is highly resistant to flagging and ensures secure closure. It provides excellent abrasion protection of automotive harnesses and withstands high temperatures and demanding environmental conditions such as e-mobility applications. It's specifically designed for semi- and full-automated taping enabling higher efficiency and reduced setup times in wire harness production through high roll lengths.

## Product Features

- High abrasion resistance
- High temperature resistance
- Excellent cable compatibility
- Stable unwinding force
- No fraying during unwinding
- Conformity with DIN 72036

## Application Fields

- Designed for abrasion protection in e-mobility applications
- Optimized for semi- and full-automated taping

## 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

- |             |      |                   |        |
|-------------|------|-------------------|--------|
| • PET cloth | None | • Total thickness | 260 µm |
| • acrylic   | None |                   |        |

## Product Assortment

- |                    |        |                     |      |
|--------------------|--------|---------------------|------|
| • Available colors | orange | • Available formats | ROLL |
|--------------------|--------|---------------------|------|



# tesa® 51036 AT01 OR

## Product Information

### Properties/Performance Values

• Elongation at break	40 %	• Noise damping (LV312)	Class A
• Tensile strength	275 N/cm	• Temperature resistance max.	150 °C
• Abrasion resistance (10mm mandrel, LV312)	Class D	• Temperature resistance min.	-40 °C
• Abrasion resistance (5mm mandrel, LV312)	Class D	• Unwind force (roll width < 9mm)	11 N/roll (30 m/min)
• Hand tearability	no	• Unwind force (roll width > 9mm)	11 N/roll (30 m/min)

### Adhesion to Values

• Steel	3 N/cm
---------	--------

## Storage Conditions

### Storage Conditions

- Storage temperature: 23 °C (+/- 2 °C)
- Storage humidity: 50 % (+/- 5 %)
- Product guarantee: tesa guarantees maximum shelf life of 12 months from date of dispatch (based on ISO 554)

### Additional Information

- Standard widths: 19, 25, 38 mm
- Standard length: 140 m
- Standard core diameter: 76 mm
- Max. outer diameter: 220 mm
- Further dimensions are available upon request

## 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.