



# tesa<sup>®</sup> 51037

## Product Information



Hand-tearable PET cloth tape for high abrasion protection of automotive harnesses

### Product Description

tesa<sup>®</sup> 51037 is a hand-tearable PET cloth tape with a solvent-free, advanced acrylic adhesive (triple A<sup>®</sup>). It is one of the first tapes on the market providing hand-tearability and high abrasion resistance for automotive harnesses. With the new adhesive formula, tesa<sup>®</sup> 51037 is highly resistant to flagging and ensures a secure closure.

It withstands high temperatures and demanding environmental conditions. Its acrylic adhesive is compatible with halogen-free cable jacketing materials (PE/PP) and guarantees enhanced durability. tesa<sup>®</sup> 51037 has been developed for highly efficient manual application without any cutting device.

Main features:

- High abrasion resistance
- High temperature resistance
- Hand-tearable
- Excellent cable compatibility
- Resistant to aging
- Can withstand environmental influences
- Flame-retardant
- Halogen-free
- Constant unwind force
- Flexible and smooth

Color: Black

### Application Fields

tesa<sup>®</sup> 51037 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 | 230 µm   |
| • Type of adhesive | advanced acrylic |                   | 9.1 mils |

For latest information on this product please visit <http://l.tesa.com/?ip=51037>



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### Properties/Performance Values

- |   |             |                                   |                      |
|---|-------------|-----------------------------------|----------------------|
| • Elongation at break                       | 30 %        | • Temperature resistance max.     | 150 °C               |
| • Tensile strength                          | 80 N/cm     |                                   | 302 °F               |
|   | 45.7 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) | 13 N/roll (30 m/min) |
| • Noise damping (LV312)                     | Class A     | • Unwind force (roll width > 9mm) | 13 N/roll (30 m/min) |

### Adhesion to Values

- |         |            |
|---------|------------|
| • Steel | 3 N/cm     |
|         | 27.4 oz/in |

### Additional Information

Standard widths: 19, 25 mm  
Standard lengths: 25 m

- Further dimensions are available upon request
- Standard core diameter: 38 mm

\*depending on wire insulation

### 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.



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