



tesa® 88102

Abrasion Protection Tape for Visual Warning & Identification

Product Information



Orange PET cloth tape with waterborne acrylic adhesive for high voltage cable protection.

Product Description

tesa® 88102 is a PET cloth tape with a waterborne acrylic adhesive for wire harness protection. It provides excellent abrasion protection of automotive harnesses and withstands the demanding environmental conditions with Low Odor and Low VOC properties. The orange version is designed for high voltage harness protection.

Product Features

- Orange color for high-voltage applications and identification
- High abrasion resistance
- Temperature resistance of up to 125°C
- Very good Low temperature resistance (-40°C)
- Good flagging resistance
- Low odor & Low VOC
- Constants unwind force
- Tear resistant for secure bundling of harnesses

Application Fields

As a PET cloth tape, tesa® 88102 is designed for the wire harness protection to provide high level abrasion resistance, and suitable to be applied for the areas with high requirements on odor and VOC.

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 | water-based acrylic | | |

Properties/Performance Values

- | | | | |
|---|----------|-------------------------------|----------|
| • Elongation at break | 40 % | • Temperature resistance max. | 125 °C |
| • Tensile strength | 270 N/cm | • Temperature resistance min. | -40 °C |
| • Abrasion resistance (10mm mandrel, LV312) | Class D | • Unwind force at 30m/min | 4.7 N/cm |
| • Noise damping (LV312) | Class A | | |

Adhesion to Values

- | | |
|---------|----------|
| • Steel | 2.5 N/cm |
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For latest information on this product please visit <http://l.tesa.com/?ip=88102>



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Storage Conditions

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- Storage temperature: 23 °C (+/- 10 °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 mm
- Standard lengths: 25 m
- Further dimensions available upon request
- Color: orange and black

Noise Damping and Abrasion Resistance Classification is conducted according to LV 312 standard.

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.

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