



# tesa<sup>®</sup> Professional 4600 Xtreme Conditions

## Product Information

Self-welding silicon tape for an instant hermetic seal

### Product Description

tesa<sup>®</sup> 4600 is a self-welding silicon tape that is glued onto its own base. The flexible material fits tightly to various surfaces, thus providing an instant hermetic seal. The self-welding repair tape can be used both indoors and outdoors and also achieves reliable results on oily, dirty or wet surfaces. Even the application under water is possible. The silicon base ensures that the robust tape provides a high resistance to various chemicals, oils, acids, solvents, salt water, UV exposure and high temperatures (from -65° C to +260° C). The silicon tape can also be used for temporary bonds and can be removed at any time without problems. tesa<sup>®</sup> 4600 is a true jack of all trades and is used by professional craftsmen for many kinds of tasks, e.g. insulating cables or for short-term repairs of water pipes.

### Product Features

- Insulating and protecting wiring and connections
- Sealing applications in engine compartment
- Various bundling, securing, wrapping applications in the marine industry
- Wrap hydraulic fittings and other exposed metal connections to help prevent corrosion
- Masking applications in powder coating, liquid coating, e-coating, anodizing and plating
- Automotive applications for wire harness, general repairs
- Marine applications for boat rigging or securing ends of rope

### 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 | stretchable specialty | • Total thickness | 500 µm |
|-----------|-----------------------|-------------------|--------|

### Properties/Performance Values

- |                                |           |                               |           |
|--------------------------------|-----------|-------------------------------|-----------|
| • Elongation at break          | 750 %     | • Hand tearability            | low       |
| • Tensile strength             | 33 N/cm   | • Temperature resistance min. | -60 °C    |
| • Abrasion resistance          | very good | • Water resistance            | very good |
| • Dielectric breakdown voltage | 8000 V    |                               |           |



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## Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?mp=04600>