



tesa[®] Professional 4600 Xtreme Conditions

Product Information

Self-welding silicon tape for an instant hermetic seal

Product Description

tesa[®] 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[®] 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.

Application Fields

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

Additional Information

- Stretch the tape to at least double its normal length. Apply it tight on the surface and overlap it tight around itself
- To serve the best purpose for standard electrical applications wrap 3 time with 100% overlapping.
- For high pressure leaks (e.g. sealing of pipes) the tape should be stretched very tight and several layers should be used. Depending on the leak and pipe material the tape can withstand a pressure of 12 bar max.

Please use max. 4 layers with approx. 100mm tape on both sides of the damaged pipe

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



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- Due to the self-fusing process, after applying the tape on itself, a permanent bond is created. Therefore, the tape can be used once.
- Please be aware: Xtreme Condition is not compatible with drinking water

Disclaimer

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