



tesa[®] Professional 4600 Xtreme Conditions

Product Information

Self-welding silicon tape for an instant hermetic seal

Product Description

tesa[®] 4600 is a strong self-amalgamating tape made from silicone which bonds without adhesive. It is applied with tension by wrapping the tape around itself. The bondage of tesa[®] 4600 on its own backing creates a water tight, permanent sealing. No drying time is required. Its flexible material can be applied smoothly on any kind of surface, including wet or warm, dirty or oily. Xtreme Conditions can be used also for temporary applications leaving no residues after removal. The tape can even be applied under water. Due to its silicone backing the tape has an excellent resistance to various chemical substances, oils, acids, solvents, salt water, UV radiation and extreme temperatures.

tesa[®] 4600 for professional distribution and standard applications comes with a thickness of 500µm and with a roll length of 3m. It is available in transparent and black and always comes with a liner.

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 material | 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>