

tesa® 4820

Product Information



PTFE tape with a silicone adhesive

Product Description

tesa® 4820 is a premium single sided PTFE tape with silicone adhesive. This product is a self-adhesive and high performance tape for demanding applications, in which high temperature resistance, very good release properties and abrasion resistance is needed.

Product Features

- Excellent release properties due to PTFE surface and its low surface energy
- Special silicone adhesive with well-balanced properties: Excellent adhesion level, residue free removable, no oozing at the edges
- Smooth surface with low friction coefficient
- Enhanced mechanical stability and abrasion resistance
- Tensilized material for high tensile strength
- Excellent temperature resistance
- Superior resistance against chemicals and solvents

Application Fields

- Belt realization to avoid the just extruded PE edges sticking on the cylinders by laminating tesa® 4820 and tesa® 4830 together
- High temperature, low friction, anti-stick properties for high end requirements

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 | PTFE film | • Total thickness | 100 µm |
| • Type of adhesive | silicone | • Color | blue-translucent |

Properties/Performance Values

- | | | | |
|-----------------------|---------|-------------------------------------|--------|
| • Elongation at break | 105 % | • Temperature resistance | yes |
| • Tensile strength | 53 N/cm | • Temperature resistance short term | 220 °C |

Adhesion to Values

- | | |
|---------|----------|
| • Steel | 2.5 N/cm |
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Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=4820>