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
- Aerospace-certified, Airbus approval according to AIMS/AIPS 10-05-033-01 and ABS 5330.

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

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

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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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