



# tesa<sup>®</sup> 4820

## Product Information



PTFE tape with a silicone adhesive

### Product Description

tesa<sup>®</sup> 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

### Applications

- Belt realization to avoid the just extruded PE edges sticking on the cylinders by laminating tesa<sup>®</sup> 4820 and tesa<sup>®</sup> 4830 together
- Cylinder wrapping on the extrusion coating line next to the hole of the caps
- 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.

### Applications

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

### Properties/Performance Values

- |                       |          |                       |           |
|-----------------------|----------|-----------------------|-----------|
| • Elongation at break | 105 %    | • Abrasion resistance | very good |
| • Tensile strength    | 130 N/cm |                       |           |

### Adhesion to Values

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

For latest information on this product please visit <http://l.tesa.com/?ip=04820>



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### Disclaimer

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