



# tesa® 4818

## Product Information



### Heat Seal Release Tape

#### Product Description

The pressure-sensitive adhesive tape consist of a PTFE-saturated glass cloth and a silicone adhesive. tesa® 4818 features low friction and anti-stick properties on its surface and is chemically, mechanically, and thermally resistant.

#### Product Features

- low friction
- anti-stick properties on its surface
- It is is chemically, mechanically, and thermally resistant.

#### Application Fields

- Providing anti-stick properties to the equipment for heat sealing of films in packaging lines of various industries
- Masking applications above 200°C
- Gliding properties for material transportation

#### 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 coated glass cloth | • Total thickness   | 180 µm   |
| • Type of adhesive | silicone                | • Thickness of tape | _NULL µm |
| • Type of liner    | none                    |                     |          |

#### Properties/Performance Values

- |                                |           |                                |                               |
|--------------------------------|-----------|--------------------------------|-------------------------------|
| • Elongation at break          | 5 %       | • Hand tearability             | low                           |
| • Tensile strength             | 310 N/cm  | • Mesh                         | 108 threads/inch <sup>2</sup> |
| • Abrasion resistance          | very good | • Operation temperature up to  | 260 °C                        |
| • Available as Spools          | no        | • Suitable for die cutting     | yes                           |
| • Dielectric breakdown voltage | 4900 V    | • Tensile strength (crosswise) | 490 N/cm                      |
| • Easy to remove               | yes       | • Unwind force                 | 4.5 N/cm                      |
| • Easy to write on             | no        |                                |                               |

#### Adhesion to Values

- Steel 4.5 N/cm

For latest information on this product please visit <http://l.tesa.com/?ip=04818>



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## Product Information

### Additional Information

- Providing anti-stick properties to the equipment for heat sealing of films in packaging lines of various industries
- Masking applications above 200°C
- Gliding properties for material transportation

### Disclaimer

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