

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.

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 ² |
| • Abrasion resistance | very good | • Operation temperature up to | 260 °C |
| • Dielectric breakdown voltage | 4900 V | • Tensile strength (crosswise) | 490 N/cm |
| • Easy to write on | no | | |

Adhesion to Values

- | | |
|---------|----------|
| • Steel | 4.5 N/cm |
|---------|----------|

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