



tesa[®] 4582 High Adhesion



Product Information

High Adhesion Venting Tape

Product Description

tesa[®] 4582 is a single-sided tape for venting applications. It is based on a nonwoven fabric coated with a specific pattern to partly cover the backing. The homogeneous spread of adhesive ensures constant venting performance.

Product Features

- The high adhesion level achieves a perfect hold on various production circumstances
- The good permeability for air and other gases allows the foam to fill the entire body resulting in an optimal thermal insulation
- The permeability is homogeneously spread for efficient processes and constant foaming results
- Works excellent as a barrier against foams to decrease foam leakage and cleaning effort
- Unwinds gently to avoid curling which makes the handling easier in order to reduce process time
- Comes without a liner to reduce the general waste in production sites
- Easily torn by hand for an increased working efficiency
- Is conformable to shaped structures
- Allows an exchange of moisture and other gases
- The specific coating structure of tesa[®] 4582 achieves a very high adhesion level while maintaining good air permeability.

Application Fields

The venting tape is used to cover holes during foaming processes in different industries

- Designed for appliances where the foam is used to insulate fridges and freezers, as well as to stabilize the body
- In production of special vehicles such as refrigerator trucks

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 | non-woven | • Color | white |
| • Type of adhesive | acrylic | • Thickness of tape | _NULL µm |
| • Total thickness | 190 µm | | |

Properties/Performance Values

- | | | | |
|--------------------------|--|-------------------------------|--------|
| • Elongation at break | 8 % | • Hand tearability | good |
| • Tensile strength | 35 N/cm | • Low unwinding force | good |
| • Ageing resistance (UV) | very good | • Operation temperature up to | 160 °C |
| • Air permeability | 21 cm ³ /cm ² xs | • Solvent free | yes |

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Adhesion to Values

- | | | | |
|-----------------|--------|----------------|----------|
| • ABS (initial) | 4 N/cm | • PS (initial) | 3.7 N/cm |
| • PE (initial) | 1 N/cm | • Steel | 3 N/cm |

Disclaimer

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