



tesa® 4582

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.

The specific coating structure of tesa® 4582 achieves a very high adhesion level while maintaining good air permeability.

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

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



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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 | • Total thickness | 190 µm |
| • Type of adhesive | acrylic | | |

Properties/Performance Values

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

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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