

tesa® 4580

Highly Permeable

Product Information

Highly Permeable Venting tape



Product Description

tesa® 4580 is a single-sided tape for venting applications. It is based on a porous nonwoven fabric coated a selected pattern of adhesive dots. The selected design ensures an outstanding air permeability. It is an ideal solution to increase efficiency in your foaming processes.

Product Features

- The high air permeability allows the foam to expand fast for efficient foaming process
- The permeability for air and other gases is homogeneously spread to ensure constant foaming results
- Works 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
- 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

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

- | | | | |
|--------------------|---------|---------------------|----------|
| • Type of adhesive | acrylic | • Thickness of tape | _NULL µm |
|--------------------|---------|---------------------|----------|

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 | 52 cm ³ /cm ² xs | | |

Adhesion to Values

- | | | | |
|-----------------|----------|----------------|----------|
| • ABS (initial) | 1.4 N/cm | • PS (initial) | 1.1 N/cm |
| • PE (initial) | 0.3 N/cm | • Steel | 1.5 N/cm |

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