



# tesa<sup>®</sup> 4580 Highly Permeable



## Product Information

Highly Permeable Venting tape

## Product Description

tesa<sup>®</sup> 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

- |                    |           |                     |          |
|--------------------|-----------|---------------------|----------|
| • Backing          | non-woven | • Color             | white    |
| • Type of adhesive | acrylic   | • Thickness of tape | _NULL µm |
| • Total thickness  | 160 µm    |                     |          |

## Properties/Performance Values

- |                          |  |                               |           |
|--------------------------|--|-------------------------------|-----------|
| • Elongation at break    | 8 %                                    | • Hand tearability            | good      |
| • Tensile strength       | 35 N/cm                                | • Low unwinding force         | very good |
| • Ageing resistance (UV) | very good                              | • Operation temperature up to | 160 °C    |
| • Air permeability       | 52 cm <sup>3</sup> /cm <sup>2</sup> xs | • Solvent free                | yes       |



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#### 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

### Disclaimer

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