



tesa[®] 4580

Highly Permeable



Product Information

Venting tape

Product Description

tesa[®] 4580 is a premium single sided Venting Tape. It is based on a non-woven fabric coated with an acrylic dispersion adhesive. Venting Tape is mainly used to cover (temporary) holes during foaming processes in several industries. This product has a high and homogeneous air permeability. Due to dotted adhesive coating the backing is only selective but not fully covered by adhesive.

Features:

- Excellent air permeability due to extraordinary type of adhesive coating
- Special acrylic dispersion adhesive with well-balanced properties
- Very good unwinding properties for fast application
- Conformable and elastic
- Excellent barrier function against various polymeric foams/polyurethans
- Very conformable and elastic
- Easy to tear by hand

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

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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 ³ /cm ² xs	• Solvent free	yes

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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