



tesa[®] 4576 High Barrier

Product Information

Venting tape



Product Description

tesa[®] 4576 is a highly elastic single sided adhesive tape. It consists of a PET/cellulose non-woven fabric coated with an acrylic adhesive.

Its high gas permeability through the adhesive and non woven carrier makes it the ideal barrier solution for any kind of foaming processes.

Features:

- gas permeable backing and adhesive
- low unwinding force
- conformable and elastic
- moisture resistant
- waterproof
- ageing-resistant

Product Features

- The excellent barrier against foam leakage makes this tape a best seller in the market
- A certain air permeability allows the foam to expand while the tape will cover venting holes
- Is highly conformable to shaped structures
- 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
- Ageing-resistant design
- Certification according to UL 94 HB flame rating

Application Fields

- Venting tape for foaming processes e.g. refrigerators
- Suitable for applications in the automotive industry, e.g. production of dashboards

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 | 140 µm | | |

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Product Information

Properties/Performance Values

• Elongation at break	17 %	• Hand tearability	good
• Tensile strength	10 N/cm	• Low unwinding force	good
• Ageing resistance (UV)	very good	• Operation temperature up to	160 °C
• Air permeability	6 cm ³ /cm ² xs	• Solvent free	yes

Adhesion to Values

• ABS (initial)	2.2 N/cm	• PS (initial)	2 N/cm
• PE (initial)	0.8 N/cm	• steel	1 N/cm

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