



# tesa<sup>®</sup> 4576 High Barrier

## Product Information

### Venting tape



### Product Description

tesa<sup>®</sup> 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          | non-woven | • Color             | 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 <sup>3</sup> /cm <sup>2</sup> 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

## Disclaimer

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