

# tesa® 4590

## Product Information



### General Purpose Monofilament Tape

#### Product Description

tesa® 4590 is a general purpose unidirectional filament tape based on glass filaments laminated to polyester film. The tape is used for industrial bundling, palletizing, and fixing applications.

#### Product Features

- tesa® 4590 is tear-resistant.
- The tape also exhibits excellent adhesion to a variety of corrugated and solid board surfaces.
- tesa® 4590 features a very high tack and a short dwell time until reaching final adhesive power.
- The synthetic rubber adhesive system ensures a secure bond to various substrates, even to non-polar surfaces like PE and PP.
- tesa® 4590 combines good longitudinal tensile strength with very low elongation.

#### Application Fields

- tesa® 4590 is a unidirectional filament tape used for a range of industrial purposes including:
- Bundling and palletizing
- Heavy-duty carton sealing
- Transport securing
- Fixing
- End-tapping

#### 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          | glassfibre / PET film | • Total thickness | 105 µm |
| • Type of adhesive | synthetic rubber      |                   |        |

#### Properties/Performance Values

- |                    |          |
|--------------------|----------|
| • Tensile strength | 250 N/cm |
|--------------------|----------|

#### Adhesion to Values

- |         |        |
|---------|--------|
| • Steel | 9 N/cm |
|---------|--------|

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