



# tesa<sup>®</sup> 4590

## Product Information



### General Purpose Monofilament Tape

#### Product Description

tesa<sup>®</sup> 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<sup>®</sup> 4590 is tear-resistant.
- The tape also exhibits excellent adhesion to a variety of corrugated and solid board surfaces.
- tesa<sup>®</sup> 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<sup>®</sup> 4590 combines good longitudinal tensile strength with very low elongation.

#### Application Fields

- tesa<sup>®</sup> 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 |
|---------|--------|



# tesa<sup>®</sup> 4590

## Product Information

### Disclaimer

tesa<sup>®</sup> products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa<sup>®</sup> product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit <http://l.tesa.com/?ip=04590>