



# tesa<sup>®</sup> 4591

## Product Information



### General Purpose Cross Filament Tape

#### Product Description

tesa<sup>®</sup> 4591 is a general purpose bidirectional 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> 4591 is tear-resistant.
- The tape also provides excellent adhesion to a variety of corrugated and solid board surfaces.
- tesa<sup>®</sup> 4591 features a very high tack and a short dwell time before reaching final adhesive power.
- tesa<sup>®</sup> 4591 combines strong longitudinal tensile strength with very low elongation.
- The synthetic rubber adhesive system ensures a secure bond to various substrates, even to non-polar surfaces like PE and PP.

#### Application Fields

- tesa<sup>®</sup> 4591 is a bidirectional 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 | 115 µm      |
| • Type of adhesive | synthetic rubber      | • Color           | transparent |

#### Properties/Performance Values

- |                       |     |                    |          |
|-----------------------|-----|--------------------|----------|
| • Elongation at break | 4 % | • Tensile strength | 250 N/cm |
|-----------------------|-----|--------------------|----------|

#### Adhesion to Values

- |         |          |
|---------|----------|
| • Steel | 9.5 N/cm |
|---------|----------|



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For latest information on this product please visit <http://l.tesa.com/?ip=04591>