



# 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. 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. tesa<sup>®</sup> 4591 features a very high tack and a short dwell time before reaching final adhesive power. The tape also provides excellent adhesion to a variety of corrugated and solid board surfaces. tesa<sup>®</sup> 4591 is tear-resistant.

#### 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          | glassfiber & PET | • Total thickness | 115 µm      |
| • Type of adhesive | synthetic rubber | • Color           | transparent |

#### Properties/Performance Values

- |                       |     |                    |                          |
|-----------------------|-----|--------------------|--------------------------|
| • Elongation at break | 4 % | • Tensile strength | 250 N/cm<br>142.8 lbs/in |
|-----------------------|-----|--------------------|--------------------------|

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



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### Adhesion to Values

- Steel 9.5 N/cm  
86.8 oz/in

### 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.



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