

# tesa® 4590



## Product Information

### General Purpose Monofilament Tape

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. tesa® 4590 combines good 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® 4590 features a very high tack and a short dwell time until reaching final adhesive power. The tape also exhibits excellent adhesion to a variety of corrugated and solid board surfaces. tesa® 4590 is tear-resistant.

### Main Application

- 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-tabling

### Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

#### Technical Data

- |                    |                       |                             |          |
|--------------------|-----------------------|-----------------------------|----------|
| • Backing material | glassfibre / PET film | • Elongation at break below | 4 %      |
| • Total thickness  | 105 µm                | • Tensile strength          | 250 N/cm |
| • Type of adhesive | synthetic rubber      |                             |          |

#### Adhesion to

- |         |          |
|---------|----------|
| • steel | 9.0 N/cm |
|---------|----------|

### Disclaimer

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