



tesa® 4591

Product Information



General purpose cross filament tape

Product Description

tesa® 4591 is a general purpose bidirectional / cross-weave filament tape based on glass filaments laminated to polyester film. The tape is used for industrial bundling, palletising and fixing applications. tesa® 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® 4591 features a very high tack and a short dwell time before reaching final adhesive strength. The tape also provides excellent adhesion to a variety of corrugated and solid board surfaces. tesa® 4591 is tear-resistant.

Product Features

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

Applications

- tesa® 4591 is a bidirectional filament tape used for a range of industrial purposes, including:
- Bundling and palletising
- 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.

Applications

- | | | | |
|--------------------|-----------------------|-------------------|-------------|
| • 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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