



tesa® 4591

Product Information



tesa® 4591 Fiberglass cross filament glass tape

Product Description

Fibreglass tapes are narrow cloth strips with woven edges that have glass-to-resin ratio to prevent unravelling. tesa® 4591 is a general purpose bidirectional cross filament tape based on glass filaments laminated to polyester film. With its reinforced fiberglass mesh, this cross filament tape combines good longitudinal tensile strength with very low elongation, making this tape the ideal choice for heavy-duty packing and strapping applications

The synthetic rubber adhesive system operates well on a wide range of surfaces, ensuring a secure bond to various substrates, even to non-polar surfaces like PE and PP. This filament tape also exhibits excellent adhesion to a variety of corrugated and solid board surfaces.

Product Features

- Excellent electrical insulating properties
- Extremely strong and resistant, making it the ideal choice for warpping applications
- Tear-resistant and can easily be adhered to different surfaces such as plastic, wood, glass, metal, fiberboard.
- Effective abrasion and moisture resistance, maximizing package performance in outdoor environments.

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Application Fields

- 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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