



tesa[®] 4595

Product Information



High tensile cross filament tape

Product Description

tesa[®] 4595 is a premium bidirectional filament tape based on polyester filaments laminated to polyester film. The tape has extremely high longitudinal tensile strength and low elongation. The special synthetic rubber adhesive system ensures a secure bond to various surfaces with high tack and high adhesion. tesa[®] 4595 is tear resistant.

Different from glass filament which is brittle and tends to break at edges, the unique crossweave polyester filament design allows the tape to have:

- *high shock resistance
- *high conformability to substrates
- *excellent abrasion resistance

Application Fields

tesa[®] 4595 is suitable for heavy duty applications, where safety matters:

- Heavy duty bundling
- Heavy duty transport securing
- Fixing
- End-tapping
- Pipeline and cable wrapping

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 material | PET fibre / PET film | • Total thickness | 250 µm |
| • Type of adhesive | synthetic rubber | | |

Properties/Performance Values

- | | | | |
|-----------------------|------|--------------------|----------|
| • Elongation at break | 15 % | • Tensile strength | 500 N/cm |
|-----------------------|------|--------------------|----------|

Adhesion to Values

- | | |
|---------|--------|
| • steel | 9 N/cm |
|---------|--------|



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Disclaimer

tesa[®] 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[®] 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.

For latest information on this product please visit <http://l.tesa.com/?ip=04595>