



tesa® 4657

Product Information



Temperature resistant acrylic coated cloth tape

Product Description

tesa® 4657 is a high grade acrylic coated cloth tape. It is based on a 145 mesh woven cotton fabric and a thermosetting natural rubber adhesive.

tesa® 4657 is a very resilient cloth tape often used for permanent hole covering in automotive applications and masking during industrial painting processes.

Features:

- removable without residues even after high temperature exposure
- very ageing-resistant (allowing for permanent applications)
- high resistance to paint solvents
- excellent tape for die-cuts, available as log roll with liner as tesa® 4657 PV9
- also available as low unwinding version tesa® 4657 PV 1
- available in 2 colors: black, grey

Sustainable Aspects

- 76% bio-based content in total product excluding liner (by weight)



For more information: <https://www.tesa.com/product-sustainability>

Product Features

- The tape's high tensile strength, the puncture resistance and the adhesiveness to all kinds of substrates perform well even under elevated temperature.
- The acrylic cloth tape is conformable and features a high resistance to paints, solvents, abrasion, and is waterproof.
- The acrylic coating is highly age-stable, making it very suitable for permanent applications.
- tesa® 4657 is a very resilient cloth tape used for temporary and permanent hole covering in automobile production lines and masking during industrial painting processes.
- Handling and application is easy due to hand-tearability.
- The tape can be torn in straight edges along the high mesh woven fabric.
- Residue-free removal is possible, even after high-temperature exposure.

Application Fields

- Heat resistant masking during the production of vehicles and machines
- Window flange masking
- Even repeated oven drying possible
- Permanent interior and exterior hole covering
- Covering of screw tap holes and drainage boreholes
- Partial masking during treatment with impregnating agents
- Fastening of flat cables e.g. on roof linings, door panels, mirrors

For latest information on this product please visit <http://l.tesa.com/?ip=04657>



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Application Fields

- Masking during electrostatic powder coating

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 | Acrylic-coated cloth | • Total thickness | 290 µm |
| • Type of adhesive | thermosetting natural rubber | • Color of liner | yellow |
| • Type of liner | paper | • Thickness of liner | 76 µm |
| • Bio-based content of liner by weight (acc. EN 16785) | 76 % | | |

Properties/Performance Values

- | | | | |
|-----------------------|-----------|---|-------------------------------|
| • Elongation at break | 7.5 % | • Mesh | 145 threads/inch ² |
| • Tensile strength | 105 N/cm | • Straight tear edge | very good |
| • Abrasion resistance | very good | • Suitable for die cutting | yes |
| • Easy to remove | yes | • Temperature resistance (30 min) | 180 °C |
| • Easy to write on | yes | • Temperature resistance (removability from aluminum after 30 min exposure) | 180 °C |
| • Hand tearability | very good | • Water resistance | good |
| • Liner release force | 0.3 N/cm | | |

Adhesion to Values

- | | |
|---------|----------|
| • Steel | 4.6 N/cm |
|---------|----------|



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Additional Information

Complies with LV 312-1 Dielectric strength.

Disclaimer

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