



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. The acrylic cloth tape is conformable and features a high resistance to paints, solvents, abrasion, and is waterproof. 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 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. The tape is suitable for die-cuts; it is also available in a low unwinding version (PV1) and on paper liner (PV9).

Sustainable Aspects



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

Application Fields

- Various kinds of heat-resistant masking during the production of vehicles and machines, e.g. window flange, hole covering and powder coating, even repeated oven drying possible
- Partial masking during treatment with impregnating agents
- Covering of screw tap holes and drainage boreholes
- Permanent interior and exterior hole covering
- Covering of screw tap holes and drainage boreholes
- Fastening of flat cables - e.g. on roof linings, door panels, mirrors
- Splicing in reel-to-reel production



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Product Information

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

- | | | | |
|--|------------------------------|----------------------|---------------------|
| • Type of liner | paper | • Total thickness | 290 µm |
| • Total sustainable product content excl. liners | 76 % | • Color of liner | 11.4 mils
yellow |
| • Total sustainable product excl. liners by weight (acc. EN 16785) | | • Thickness of liner | 76 µm
3 mils |
| • Backing material | Acrylic-coated cloth | | |
| • Type of adhesive | thermosetting natural rubber | | |

Properties/Performance Values

- | | | | |
|-----------------------|-----------------------|---|------------------------------|
| • Abrasion resistance | very good | • Liner release force | 0.3 N/cm
0.2 lbs/in |
| • Elongation at break | 7.5 % | • Mesh | 145 count per square
inch |
| • Tensile strength | 105 N/cm
60 lbs/in | • Straight tear edges | very good |
| • Easy to write on | Yes | • Temperature resistance
(removability from aluminum
after 30 min exposure) | 180 °C
356 °F |
| • Hand tearability | very good | • Water resistance | good |

Adhesion to Values

- | | |
|---------|----------------------|
| • Steel | 4.6 N/cm
42 oz/in |
|---------|----------------------|



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Additional Information

Complies with LV 312-1 Dielectric strength.

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=04657>