

# 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 thermo-setting natural rubber adhesive.

The tape is suitable for die-cuts and is used in Automotive market for hole-covering; The standard version is PV0, and it is also available in a low unwinding version PV1 and on yellow glassine paper liner, 76 µm thick (PV9).

## **Sustainable Aspects**

• 77% bio-based carbon content (DIN EN 16640)



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.
- Low VOC according to VDA 278 analysis

#### **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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# 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**

<ul><li>Backing</li><li>Type of adhesive</li></ul>	Acrylic-coated clot e thermosetting natu rubber	ıral •	Total thickness Color of liner Thickness of liner	290 μm yellow 76 μm
<ul><li>Type of liner</li><li>Total sustainable</li></ul>	paper product excl. 76 %			

## **Properties/Performance Values**

liners by weight (acc. EN 16785)

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

#### Adhesion to Values

• Steel 4.6 N/cm

#### **Additional Information**

- Complies with LV 312-1 Dialectric strength.
- PV0: Standard version heavy unwinding, fine paintability
- PV1: Easy unwinding of roll, moderate paintability
- PV9: Same as PV0 , comes with a yellow paper liner (76  $\mu$ m, single-sided siliconsized)



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### Disclaimer

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