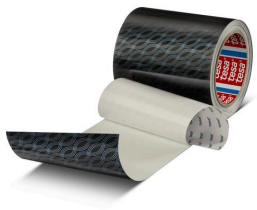
tesa® 6957
PV3 Black Glossy FPA



Product Information

High heat resistant, high-speed markable and tamper-proof

Product Description

tesa® 6957 is a high heat resistant two-layer, brittle acrylic laser markable film with a unique, forgery-proof watermark design that is embedded into the material as prove of originality.

Marking and cutting are achieved by laser in one step, which makes it possible to realize any desirable label variation and format using only one material. The product is highly durable and resistant against thermal, chemical, mechanical and environmental (weathering) influences for secure traceability over entire vehicle lifetime.

The adhesive system consists of a special acrylic adhesive system, which leaves an UV-detectable trace (“UV-Footprint”) on most surfaces as required by GB/T 25978 (P.R.C.) and NHTSA §541.5 (USA).

Product Features

- Meets Chinese GB/T 25978 (P.R.C.) Type A to F, European KBA and American NHTSA
- High heat resistance for applications on engine or transmission (F-type label, 1600h@150°C, according to GB/T 25978)
- High energy absorbing layer for high-speed marking to meet short cycle times
- Marked irreversible by laser with excellent long-term legibility
- Reliably withstand extreme stresses over long-term covering a wide range of applications in automotive theft-relevant labeling
- Label is destroyed upon any attempt of removing and tampering and leaves a visible trace (damage of information and label) to prevent re-using and cloning

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	• Total thickness	122 µm
• Type of adhesive	acrylic	• Adhesive weight	25 g/m²
• Type of liner	coated paper	• Thickness of tape	95 µm

For latest information on this product please visit http://l.tesa.com/?ip=06957

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Product Information

Product Assortment

• Available colors	black, black matt
• Available formats	100mm, 120mm, PV3: 300m, PV1: 200m
• Available thicknesses	PV3: 95µm, PV1: 127µm

Properties/Performance Values

• Ageing resistance (UV)	very good
• Chemical Resistance	very good
• Frost resistance	-40 °C
• Humidity resistance	very good
• Shelf life time	12 months
• Suitable laser	CO_2, Nd:YAG, Yb:YAG
• Tamper evidence	yes
• Temperature resistance long term	150 °C
• Temperature resistance short term	250 °C

Adhesion to Values

• Steel	1.8 N/cm

Storage Conditions

Storage Conditions

- Original packaging excluding exposure of laser markable film to light and heating source
- Storage of rolls in a horizontal position
- Ideal storage at standard room temperature and rel. humidity according ISO 554
- Refrigerated tapes need to be reconditioned prior to their use. An application below 10°C has to be avoided as this may not provide sufficient immediate adhesion.
- After opening the packaging, the tape shall be used as soon as possible

Additional Information

tesa® 6957 series is available in different product variants to fulfill our customers' requirements for different applications and substrates.

- 6957 PV3 black/ white glossy: Adhesive 25g/m², Thickness 95µm without Liner. Color code: 04
- 6957 PV3 black/ white matt: Adhesive 25g/m², Thickness 95µm without Liner. Color code: 28
- 6957 PV1 black/ white glossy: Adhesive 35g/m², Thickness 127µm without Liner. Color code: 04
- 6957 PV1 black/ white matt: Adhesive 35g/m², Thickness 127µm without Liner. Color code: 28

Optional: LSE adhesive with UV-Footprint (MU56): A special acrylic adhesive system with high bonding power improved for difficult surfaces such as LSE plastics, powder coatings and textured/structured surfaces. It leaves an UV-detectable trace ("UV-Footprint") on most surfaces as required by GB 25978 (P.R.C.) and NHTSA §541.5 (USA). This special variant is available upon request.

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Product Information

Disclaimer

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