tesa® 6957
Laser Markable Films

Product Information

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 proof 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).

Application Fields

Depending on the type of application, our laser markable films are available in different grades, either for standard warning and instruction content or for demanding theft relevant vehicle identification and certification labels and anti-theft part marking.

tesa® 6957 is specially designed to also fulfill the requirements of GB/T 25978 (P.R.C.) for F-Type labels (engine and transmission).

This high-performance product is used as a tamper evident vehicle identification and certification label as well as anti-theft parts marking for secure traceability over the entire vehicle lifetime.

Computer Aided Manufacturing: Labels are designed and produced on site, guaranteeing highest flexibility and quick adaptation of format and contents, e.g. car model relevant data, different languages, sequential serial numbers.

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: coated paper
- Backing material: Acrylic
- Type of adhesive: acrylic
- Total thickness: 122 µm
- Adhesive weight: 25 g/m²
- Thickness of tape: 95 µm

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

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

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: CO2, 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

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.

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.

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