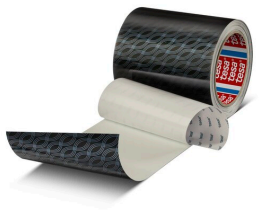
tesa® 6957
PV1 Black Glossy FPC



Product Information

6957

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).

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.

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

tesa® 6957
PV1 Black Glossy FPC

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

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

Product Assortment

• Available Colours	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	• Suitable laser	CO_2, Nd:YAG, Yb:YAG
• Chemical resistance	very good	• Tamper evidence	yes
• Frost resistance	-40 °C	• Temperature resistance long term duration	150 °C
• Humidity resistance	very good		
• Shelf life time	12 months	• Temperature resistance short term duration	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

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

tesa® 6957
PV1 Black Glossy FPC

Product Information

Additional Information

- 6957 PV1 black/ white glossy: Adhesive 35g/m^2, Thickness 127µm without Liner. Color code: 04
- 6957 PV1 black/ white matt: Adhesive 35g/m^2, 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

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