

tesa® 6957

PV3 Black Matt FPC

Product Information

High heat resistant, high-speed markable and fraud-resistant

Product Description

tesa® 6957 is a double layer, brittle acrylic film with watermark. Customised and fraud-resistant information, such as company logo, is permanently embedded in the backing. Marking and cutting are achieved by laser in one step, which makes it possible to realise any desirable label variation and format using only one material. The backing is highly resistant against chemicals, abrasion, temperature and aging.

The adhesive system consists of a resin modified acrylic suitable even for low energy surfaces. The adhesive will leave an UV-detectable trace ("UV-Footprint") on most surfaces as required by GB 25978 (P.R.C.) and NHTSA §541.5 (USA).

The use of a high-speed laser enables a considerably quick marking up to 4000mm/ sec.

Available in: black

Application Fields

This high performance product is used as a tamper evident identification label over the entire lifetime of a product and also as a data carrier system for intelligent in-process steering.

The product is specially designed to fulfil the requirements of F-Type labels (engine and transmission) as defined by GB 25978 (P.R.C.)

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	• Type of liner	coated paper
• Type of adhesive	acrylic	• Weight of liner	120 g/m ²

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	• Temperature resistance short term duration	250 °C
• Peel off force from liner	0,5-10		

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Storage Conditions

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23°C, 50% RH, stored in original box

Additional Information

- Customised Watermark embedded in the backing
- Very fast marking is achieved in conjunction with high-speed laser hardware
- High contrast and excellent marking precision
- Very resistant to heat, abrasion and chemicals
- Tamper Evident: Manipulation leaves visible trace + UV footprint
- Not removable without destruction of the label
- Flexible formatting and label design: marking and cutting by the laser
- Efficient: Replaces a multitude of pre-made labels
- Just-in-time production reduces storage needs

Dimensions: Customer specific

Standard Width: 100mm or 120mm

Standard Length: 200m or 300m

Assortment and Technical Data:

6957 PV3 black/ white glossy: Adhesive 25g/m², Thickness µm without Liner. Colour code: 04

6957 PV1 black/ white glossy: Adhesive 35g/m², Thickness µm without Liner. Colour code: 04

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