

tesa® 6957 PV1 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. Customized 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 realize 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.

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 fulfill the requirements of GB 25978 (P.R.C.) for F-Type labels (engine & transmission).

- Customized Watermark embossed in the backing
- High contrast and excellent marking precision
- Very resistant to heat, abrasion and chemicals
- Tamper Evident: Manipulation leaves visible trace
- Not removeable 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

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

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|--------------------|---------|-------------------|----------------------|
| • Backing | Acrylic | • Type of liner | coated paper |
| • Type of adhesive | acrylic | • Weight of liner | 120 g/m ² |

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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	150 °C
	-40 °F		302 °F
• Humidity resistance	very good	• Temperature resistance short term	250 °C
• Peel off force from liner	0,5-10		482 °F

Storage Conditions

Storage Conditions

23°C, 50% RH, stored in original box

Additional Information

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 95µm/3.7 mils without Liner. Color code: 04

6957 PV3 black/ white matte: Adhesive 25g/m², Thickness 95µm/3.7 mils without Liner. Color code: 28

6957 PV1 black/ white glossy: Adhesive 35g/m², Thickness 127µm/5 mils without Liner. Color code: 04

6957 PV1 black/ white matte: Adhesive 35g/m², Thickness 127µm/5 mils without Liner. Color code: 28

To fulfill our customers' requirements for different applications and substrates the tesa® 6957 series is available in different product variants. Our aim is to fully understand your application in order to provide the right product recommendation. Our technical support is available upon request.

Optional: UV-Footprint adhesive (MU49):

tesa® 6957 MU49 is equipped with a special acrylic adhesive system, which leaves an UV-detectable trace ("UV-Footprint"). This special variant is available upon request.

Optional: LSE adhesive with UV-Footprint (MU56):

tesa® 6957 MU56 is equipped with a special acrylic adhesive system improved for rough and low surface energy (LSE) surfaces, which leaves an UV-detectable trace ("UV-Footprint"). This special variant is available upon request.

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For latest information on this product please visit <http://l.tesa.com/?ip=6957BMC1>