



tesa® 6940 PV6 Black Glossy

Product Information



Tamper-proof, High-Speed laser markable film

Product Description

tesa® 6940 PV6 black glossy/white is a premium, two-layer, high-speed laser markable film with acrylic adhesive. Its self-destructible product construction ensures the label is destroyed and leaves a visible trace if tampered with. A laser removes the top layer to create precise images and cuts the label to size in one step, which makes it possible to realize any desirable label variation and format.

Simplify your product marking process with our reliable, efficient, and versatile laser-markable films for on-demand label creation.

Product Features

- Laser markable film for quick, customizable labels with flexible designs including model-specific data, languages, serial numbers, and QR codes
- Self-destructible with high-performance adhesive to prevent reuse and manipulation; irremovable without destruction
- Durable product identification resistant to wear, weather, and chemical exposure throughout the product lifecycle
- High energy absorbing top layer for reduced dust and fast marking ($\leq 4,000$ mm/sec)

Application Fields

Our laser-markable films are ideal for applications requiring secure product marking. They are perfect for identification and certification labeling with model-specific data, languages, serial numbers, and QR codes. This prevents unauthorized reuse and manipulation, ensuring compliance and traceability throughout the product's lifecycle.

Potential applications span various industries, providing reliable and secure labeling solutions for both identification and certification needs:

- Tamper-evident identification labels for products like medical equipment, food scales, semiconductor plates, phones, tablets, industrial machinery, and vehicles.
- Data carrier systems for intelligent in-process steering.

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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|-----------|------|-----------|------|
| • Acrylic | None | • acrylic | None |
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Properties/Performance Values

• Chemical Resistance	very good	• Tamper evidence	yes
• Peel off force from liner	0,5-10	• Temperature resistance long term	120 °C
• Suitable laser	CO ₂ , Nd:YAG, Yb:YAG	• Temperature resistance short term	250 °C

Storage Conditions

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- Original packaging excluding exposure of tapes 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 must be avoided as this may not provide sufficient immediate bonding
- After opening the packaging, the tape shall be used as soon as possible

Disclaimer

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