

# tesa® 6937 Laser-Label

Fraud-resistant watermark

## PRODUCT INFORMATION

### Product Description

tesa® 6937 is a double layer, brittle acrylic film with watermark. Customized and fraud-resistant information, such as company logo, is permanently embossed 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 ageing. The adhesive system consists of a resin modified acrylic suitable even for low energy surfaces.

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.

Available in: black or silver

### Main Application

- Customized Watermark embedded 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 Data

■ Backing material	acrylic	■ Type of liner	coated paper
■ Tamper Evident	yes	■ Weight of liner	120 g/m <sup>2</sup>
■ Type of adhesive	acrylic	■ Peel off force from liner	2-10 N/cm
■ Adhesion to steel >	1.8 N/cm		

### Properties

■ Temperature resistance short term	270 °C	■ Ageing resistance (UV)	++
■ Temperature resistance long term	120 °C	■ Suitable Laser	CO <sub>2</sub> , Nd:YAG, Yb:YAG
■ Frost resistance to -	50 °C	■ Printability	+
■ Humidity resistance	++	■ Storage conditions	23°C, 50% RH, stored in original box
■ Resistance to chemicals	++		

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

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#### Additional Info

Dimensions: Customer specific  
Standard Width: 100mm or 120mm. Length: 170-300m  
(Length 6937 PV6: max. 200m)

#### Assortment and Technical Data:

6937 PV3 black/ white glossy: Adhesive 25g/m<sup>2</sup>, Thickness 100µm without Liner. Color code: 04  
6937 PV3 black/ white matte: Adhesive 25g/m<sup>2</sup>, Thickness 100µm without Liner. Color code: 28  
6937 PV3 silver/ black glossy: Adhesive 25g/m<sup>2</sup>, Thickness 110µm without Liner. Color code: 35  
6937 PV6 black/ white glossy: Adhesive 35g/m<sup>2</sup>, Thickness 145µm without Liner. Color code: 04  
6937 PV6 black/ white matte: Adhesive 35g/m<sup>2</sup>, Thickness 145µm without Liner. Color code: 28

#### Optional: UV-Footprint adhesive (AF48):

tesa® 6937 AF48 is equipped with a special acrylic adhesive system containing fluorescence, which penetrates into the substrate leaving an UV-detectable trace ("UV-Footprint"). This special variant is available upon request.