

tesa® 6930 Laser-Label

Laser markable and self-adhesive

PRODUCT INFORMATION

Product Description

tesa® 6930 is a double layer, brittle acrylic film. 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 (glossy, matte), silver (glossy, matte), white (glossy)

Main Application

- 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 ²
■ 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 ₂ , 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

Standard Dimensions:

Width: 100mm and 120mm. Length: 300m

Assortment and Technical Data:

6930 PV3 black/ white glossy: Adhesive 25g/m², Thickness 100µm without Liner. Color code: 04

6930 PV3 black/ white matte: Adhesive 25g/m², Thickness 100µm without Liner. Color code: 28

6930 PV3 silver/ black glossy: Adhesive 25g/m², Thickness 110µm without Liner. Color code: 35

6930 PV3 silver/ black matte: Adhesive 25g/m², Thickness 110µm without Liner. Color code: 34

6930 PV3 white/ black glossy: Adhesive 25g/m², Thickness 118µm without Liner. Color code: 08

Special variant:

6930 PV6 black/ white glossy: Adhesive 35g/m², Thickness 145µm without Liner. Color code: 04

Width: 100mm and 120mm. Length: 200m

In certain cases additional thickness proves beneficial in handling.

Optional: 6930 PV6 with UV-Footprint adhesive (AF48):

tesa® 6930 PV6 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 as PV6 version only (black/ white glossy, Adhesive 35g/m², Thickness 145µm without Liner. Color code: 04).

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