



# tesa® 6930 Laser-Label

## Product Information

Laser markable and self-adhesive



## 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 realise 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)

## Product Features

- Marked irreversible by laser with excellent long-term legibility
- Reliably withstand stresses over the long-term covering a wide range of applications
- Manipulation leaves visible trace (damage on information and label)
- Not removeable without destruction of the label to prevent re-using
- Just-in-time production replaces a multitude of pre-made labels and reduces storage needs
- Available in different colors

## Application Fields

- 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

- |                    |              |                     |                     |
|--------------------|--------------|---------------------|---------------------|
| • Backing material | Acrylic      | • Adhesive weight   | 25 g/m <sup>2</sup> |
| • Type of adhesive | acrylic      | • Thickness of tape | 95 µm               |
| • Type of liner    | coated paper |                     |                     |

For latest information on this product please visit <http://l.tesa.com/?ip=06930>



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## Product Information

### Product Assortment

- Available colors black matt, black, silver, white

### Properties/Performance Values

- |                          |           |  |                                  |
|--------------------------|-----------|--|----------------------------------|
| • Ageing resistance (UV) | very good | • Suitable laser                             | CO <sub>2</sub> , Nd:YAG, Yb:YAG |
| • Chemical resistance    | very good | • Tamper evidence                            | yes                              |
| • Frost resistance       | -40 °C    | • Temperature resistance long term duration  | 120 °C                           |
| • Humidity resistance    | very good | • Temperature resistance short term duration | 250 °C                           |
| • Shelf life time        | 12 months |  |                                  |

### Adhesion to Values

- steel 1.8 N/cm

## Storage Conditions

### Storage Conditions

23°C, 50% RH, stored in original box

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 to 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

### Additional Information

Standard Dimensions:

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

Assortment and Technical Data:

6930 PV3 black/ white glossy: Adhesive 25g/m<sup>2</sup>, Thickness 100µm without Liner. Color code: 04

6930 PV3 black/ white matte: Adhesive 25g/m<sup>2</sup>, Thickness 100µm without Liner. Color code: 28

6930 PV3 silver/ black glossy: Adhesive 25g/m<sup>2</sup>, Thickness 110µm without Liner. Color code: 35

6930 PV3 silver/ black matte: Adhesive 25g/m<sup>2</sup>, Thickness 110µm without Liner. Color code: 34

6930 PV8 white/ black glossy: Adhesive 25g/m<sup>2</sup>, Thickness 118µm without Liner. Color code: 08

Special variant:

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# tesa® 6930 Laser-Label

## Product Information

### Additional Information

6930 PV6 black/ white glossy: Adhesive 35g/m<sup>2</sup>, 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/m<sup>2</sup>, Thickness 145µm without Liner. Color code: 04).

## Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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