

# 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    | ■ Adhesion to Steel > | 1.8 N/cm             |
| ■ Tamper Evidence           | yes        | ■ Type of liner       | coated paper         |
| ■ Peel off force from liner | 2-10 cN/cm | ■ Weight of liner     | 120 g/m <sup>2</sup> |
| ■ Type of adhesive          | acrylic    |                       |                      |

### Properties

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

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

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

Page 1 of 2 / As of 07/04/14

#### tesa SE

Quickbornstraße 24  
20253 Hamburg  
Germany  
Phone: +49 (40) 4909 101

**tesa SE**  
A Beiersdorf Company

<http://www.tesa.com>

#### tesa tape inc.

5825 Carnegie Boulevard  
Charlotte, N.C. 28209  
United States of America  
Phone: +1 (704) 554 0707  
Fax: +1 (704) 553 5634  
<http://www.tesatape.com>

#### tesa tape Asia Pacific Pte. Ltd.

9 North Buona Vista Drive  
#04-01 The Metropolis  
Tower 1  
Singapore 138588  
Tel: +65 6697 9888  
Fax: +65 6659 6390  
<http://www.tesa-asia.com>

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 advise you.

### Additional Info

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:

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).

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

Page 2 of 2 / As of 07/04/14

#### tesa SE

Quickbornstraße 24  
20253 Hamburg  
Germany  
Phone: +49 (40) 4909 101

**tesa SE**  
A Beiersdorf Company

<http://www.tesa.com>

#### tesa tape inc.

5825 Carnegie Boulevard  
Charlotte, N.C. 28209  
United States of America  
Phone: +1 (704) 554 0707  
Fax: +1 (704) 553 5634  
<http://www.tesatape.com>

#### tesa tape Asia Pacific Pte. Ltd.

9 North Buona Vista Drive  
#04-01 The Metropolis  
Tower 1  
Singapore 138588  
Tel: +65 6697 9888  
Fax: +65 6659 6390  
<http://www.tesa-asia.com>

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 advise you.