



# tesa<sup>®</sup> 6940 Laser-Label

## Product Information

Laser markable and self-adhesive



## Product Description

tesa<sup>®</sup> 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.

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.

## Product Features

- 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.

## Application Fields

- High contrast and excellent marking precision
- Very resistant to heat, abrasion and chemicals
- Tamper Evident: Manipulation leaves visible trace
- Not removable 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          | Acrylic | • Type of liner   | coated paper         |
| • Type of adhesive | acrylic | • Weight of liner | 120 g/m <sup>2</sup> |



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### 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	120 °C
• Humidity resistance	very good	• Temperature resistance short term	250 °C
• Peel off force from liner	0,5-10		

## Storage Conditions

### Storage Conditions

23°C, 50% RH, stored in original box

## Additional Information

Standard Dimensions:

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

Assortment and Technical Data:

6930 PV3 blackglossy / white: Adhesive 25g/m<sup>2</sup>, Thickness 95µm without Liner. Color code: 04

6930 PV3 black matt/ white: Adhesive 25g/m<sup>2</sup>, Thickness 95µm without Liner. Color code: 28

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

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

Special variant:

6930 PV6 black glossy/ white: Adhesive 35g/m<sup>2</sup>, Thickness 140µm without Liner. Color code: 04

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

For latest information on this product please visit <http://l.tesa.com/?ip=06940>



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## Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=06940>