

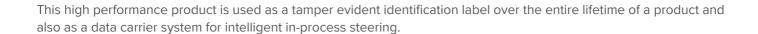
# tesa® 6940 Rapid Laser-Label

## **Product Information**

High-Speed markable and self-adhesive

# **Product Description**

tesa® 6940 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.



(black: up to 4000mm/sec., yellow: up to 1000mm/sec).

Available in: black (glossy) and yellow

#### **Product Features**

- The use of a high-speed laser enables a considerably quick marking.
- · 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**

- Very fast marking is achieved in conjunction with high-speed laser hardware
- · 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





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# **Product Information**

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>

### **Properties/Performance Values**

<ul><li>Ageing resistance (UV)</li><li>Chemical Resistance</li></ul>	very good very good	<ul><li>Suitable laser</li><li>Tamper evidence</li></ul>	CO <sub>2</sub> , Nd:YAG, Yb:YAG yes
<ul> <li>Frost resistance</li> </ul>	-40 °C	<ul> <li>Temperature resistance long</li> </ul>	120 °C
<ul> <li>Humidity resistance</li> </ul>	very good	term	
<ul> <li>Peel off force from liner</li> </ul>	0,5-10	<ul> <li>Temperature resistance short</li> </ul>	270 °C
		term	

# Storage Conditions

#### **Storage Conditions**

23°C, 50% RH, stored in original box

# Additional Information

Standard Dimensions:

6940 PV6 black: width 100mm and 120mm, length 200m

6940 PV3 yellow: width 120mm, length 300m

Assortment and Technical Data:

 $6940\ PV6\ black/\ white\ glossy:\ Adhesive\ 35g/m^2,\ thickness\ 140\mu m\ without\ Liner.\ Color\ code:\ 04$ 

6940 PV3 yellow/ black: Adhesive 25g/m², thickness 105µm without Liner. Color code: 17, close to RAL 1021

PV6 foil is thicker and more stiff than PV3 material and beneficial in handling in certain cases.

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**Product Information** 

**Additional Information** 

Please note: Color yellow has a limited resistance to UV. We recommend their suitability for outdoor applications should be tested before use. For assistance and advice please contact your tesa consultant.

# 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.

