

# tesa® 6931 Laser-Label

Color-Change marking

## PRODUCT INFORMATION

### Product Description

tesa® 6931 is a 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. Marking is achieved by laser-activated color pigments embedded in the backing.

Available in: white, yellow and transparent

### Main Application

- Precise and resistant marking
- 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
- High marking speed in conjunction with high-speed laser hardware

### Technical Data

■ Backing material	acrylic	■ Type of liner	coated paper
■ Tamper Evident	yes	■ Weight of liner	65 g/m <sup>2</sup>
■ Type of adhesive	acrylic	■ Unwind force	2-6 N/cm
■ Adhesive weight	25 g/m <sup>2</sup>	■ Thickness of Tape	100 µm
■ 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	Nd:YAG
■ Frost resistance to -	50 °C	■ Printability	+
■ Resistance to chemicals	++	■ Storage conditions	23°C, 50% RH, stored in original box

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

### Additional Info

Standard Dimensions:  
Width: 100mm and 120mm, length: 300m