

# tesa® 6910 Laser-Label

Color-Change marking

## PRODUCT INFORMATION

### Product Description

tesa® 6910 is a high-performance polyolefin laser-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 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 data carrier for intelligent process steering and as an identification label. Marking is achieved by laser-activated color pigments embedded in the backing. The use of a high-speed laser enables a considerably quick marking speed up to 4000mm/ sec.

Available in white color.

### Main Application

- Precise and resistant marking
- Very resistant to heat, abrasion and chemicals
- Manipulation leaves visible trace
- 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	polyolefin	■ Type of liner	coated paper
■ Tamper Evident	no	■ Weight of liner	120 g/m <sup>2</sup>
■ Type of adhesive	acrylic	■ Unwind force	2-10 N/cm
■ Adhesive weight	25 g/m <sup>2</sup>	■ Thickness of Tape	100 µm
■ Adhesion to steel >	4 N/cm		

### Properties

■ Temperature resistance short term	120 °C	■ Ageing resistance (UV)	+
■ Temperature resistance long term	100 °C	■ Suitable Laser	Nd:YAG
■ Frost resistance to -	20 °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