![tesa logo]

tesa® 6930 Laser-Label

Product Information

Laser markable and self-adhesive

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 realise 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)

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 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 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 material   Acrylic
* Type of adhesive   acrylic

* Type of liner   coated paper
* Weight of liner   120 g/m²

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

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Properties/Performance Values

- Ageing resistance (UV)   very good
- Chemical resistance   very good
- Frost resistance   -40 °C
- Humidity resistance   very good
- Peel off force from liner   0,5-10

- Suitable laser   CO2, Nd:YAG, Yb:YAG
- Tamper evidence   yes
- Temperature resistance long   120 °C
  term duration
- Temperature resistance short   250 °C
  term duration

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 black/ white glossy: Adhesive 25g/m^2, Thickness 100µm without Liner. Color code: 04
6930 PV3 black/ white matte: Adhesive 25g/m^2, Thickness 100µm without Liner. Color code: 28
6930 PV3 silver/ black glossy: Adhesive 25g/m^2, Thickness 110µm without Liner. Color code: 35
6930 PV3 silver/ black matte: Adhesive 25g/m^2, Thickness 110µm without Liner. Color code: 34
6930 PV8 white/ black glossy: Adhesive 25g/m^2, Thickness 118µm without Liner. Color code: 08

Special variant:
6930 PV6 black/ white glossy: Adhesive 35g/m^2, 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^2, Thickness 145µm without Liner. Color code: 04).

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Disclaimer

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