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 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.
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 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 adhesive	acrylic
Type of liner	coated paper
Adhesive weight	25 g/m²
Thickness of tape	110 µm 4.3 mils

Product Assortment

Available colors	silver, black, black matt, white

For latest information on this product please visit http://l.tesa.com/?ip=6930SM3

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Properties/Performance Values

- Ageing resistance (UV): very good
- Chemical Resistance: very good
- Frost resistance: -40 °C / -40 °F
- Humidity resistance: very good
- Shelf life time: 12 months
- Suitable laser: CO_2, Nd:YAG, Yb:YAG
- Tamper evidence: yes
- Temperature resistance long term: 120 °C / 248 °F
- Temperature resistance short term: 250 °C / 482 °F

Adhesion to Values

- Steel: 1.8 N/cm / 16.4 oz/in

Storage Conditions

Storage Conditions
23°C, 50% RH, stored in original box

Additional Information

Assortment and Technical Data:

- 6930 PV3 black/ white glossy: Adhesive 25g/m^2, Thickness 95µm/3.7 mils without Liner. Color code: 04
- 6930 PV3 black/ white matte: Adhesive 25g/m^2, Thickness 95µm/3.7 mils without Liner. Color code: 28
- 6930 PV3 silver/ black glossy: Adhesive 25g/m^2, Thickness 110µm/4.3 mils without Liner. Color code: 35
- 6930 PV3 silver/ black matte: Adhesive 25g/m^2, Thickness 110µm/4.3 mils without Liner. Color code: 34
- 6930 PV8 white/ black glossy: Adhesive 25g/m^2, Thickness 118µm/4.6 mils without Liner. Color code: 08

Special variant:

- 6930 PV6 black/ white glossy: Adhesive 35g/m^2, Thickness 140µm/5.5 mils without Liner. Color code: 04

In certain cases, additional thickness proves beneficial in handling.

Width: 100mm/3.9" and 120mm/4.7". Length: 200m/656'

Optional: 6930 with UV-Footprint adhesive (MU49): tesa® 6930 MU49 is equipped with a special acrylic adhesive system, which leaves a UV-detectable trace (“UV-Footprint”). This special variant is available upon request.

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Disclaimer

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