

tesa® Laser Markable Film 6930 black matt/ white text



Product Information

Laser markable, tamper-proof and self-adhesive

Product Description

tesa® 6930 is a two-layer laser markable film with a high-performance adhesive. The brittle product construction ensures that the label is destroyed upon any attempt of removing and tampering and leaves a visible trace (damage of information and label).

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.

Product Features

- Marked irreversible by laser with excellent long-term legibility
- Reliably withstand stresses over the long-term covering a wide range of applications
- Manipulation leaves visible trace (damage on information and label)
- Not removeable without destruction of the label to prevent re-using
- Just-in-time production replaces a multitude of pre-made labels and reduces storage needs
- Available in different colors

Application Fields

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

Laser marking ensures high flexibility and quick adaptation of format and contents, e.g. languages, sequential serial numbers

High contrast and marking precision support the realization of even the smallest letters, numbers and symbols, even 2D-bar codes (data matrix, QR codes) and ensures clear information appearance and easy and correct legibility by the human eye or scanning devices.

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 | • Adhesive weight | 25 g/m ² |
| • Type of adhesive | acrylic | • Thickness of tape | 95 µm |
| • Type of liner | coated paper | | |

For latest information on this product please visit <http://l.tesa.com/?ip=6930BM3>

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Product Assortment

- Available colors black matt, black, silver, white

Properties/Performance Values

- | | | | |
|--------------------------|-----------|-------------------------------------|----------------------------------|
| • Ageing resistance (UV) | very good | • Suitable laser | CO ₂ , Nd:YAG, Yb:YAG |
| • Chemical Resistance | very good | • Tamper evidence | yes |
| • Frost resistance | -40 °C | • Temperature resistance long term | 120 °C |
| • Humidity resistance | very good | • Temperature resistance short term | 250 °C |
| • Shelf life time | 12 months | | |

Adhesion to Values

- Steel 1.8 N/cm

Storage Conditions

Storage Conditions

23°C, 50% RH, stored in original box

Original packaging excluding exposure of tapes to light and heating source

Storage of rolls in a horizontal position

Ideal storage at standard room temperature and rel. humidity according to ISO 554

Refrigerated tapes need to be reconditioned prior to their use. An application below 10°C must be avoided as this may not provide sufficient immediate bonding

After opening the packaging, the tape shall be used as soon as possible

Additional Information

Standard Dimensions:

Width: 100mm and 120mm. Length: 300m

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Disclaimer

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