

tesa® 7100

100µm single sided solid black filmic tape

tesa® 7100 is a solid black, single sided self-adhesive tape consisting of a black PET film backing and a black tackified acrylic adhesive

tesa® 7100 features esp.

- Thickness: 100µm
- Excellent light blocking performance
- Excellent peel strength and shear resistance
- Good repulsion resistance properties
- Excellent handling performance in converting processes
- Excellent resistance to demanding environmental conditions
- Pin whole free product design
- Very high electrical resistance

Main Application

- Fixing of cables or constructive parts in LED light sources or Flat Panel displays
- Light shielding in consumer electronics parts

Technical Data

▪ Backing material	PET film	▪ Colour of liner	white
▪ Total thickness	100 µm	▪ Thickness of liner	70 µm
▪ Type of adhesive	acrylic	▪ Temperature resistance short term	200 °C
▪ Elongation at break	80 %	▪ Temperature resistance long term	100 °C
▪ Tensile strength	60 N/cm	▪ Dielectric breakdown voltage	7500 volt
▪ Type of liner	glassine	▪ Transmittance (380 - 780nm) <	0.005 %

Adhesion to

▪ Steel (initial)	7.5 N/cm	▪ Steel (after 14 days)	9.5 N/cm
▪ ABS (initial)	7.3 N/cm	▪ ABS (after 14 days)	7.9 N/cm
▪ Aluminium (initial)	6.7 N/cm	▪ Aluminium (after 14 days)	8.5 N/cm
▪ Glass (initial)	8.1 N/cm	▪ Glass (after 14 days)	9.0 N/cm
▪ PC (initial)	7.6 N/cm	▪ PC (after 14 days)	9.1 N/cm

Properties

▪ Tack	●●●●	▪ Softener resistance	●●●●
▪ Ageing resistance (UV)	●●●●●	▪ Static shear resistance at 23°C	●●●●●
▪ Humidity resistance	●●●●	▪ Static shear resistance at 40°C	●●●●●

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

For latest information on this product please visit <http://l.tesa.com/?ip=07100>

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

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Additional Information

tesa® 7100 is certified according to UL-510

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