



tesa[®] 7100

Product Information

100µm single sided solid black filmic tape

Product Description

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

Product Features

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Applications

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

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Applications

- | | | | |
|--------------------|----------|----------------------|--------|
| • Backing | PET film | • Total thickness | 100 µm |
| • Type of adhesive | acrylic | • Color of liner | white |
| • Type of liner | glassine | • Thickness of liner | 70 µm |

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Product Information

Properties/Performance Values

• Elongation at break	80 %	• Static shear resistance at 40°C	very good
• Tensile strength	60 N/cm	• Tack	good
• Ageing resistance (UV)	very good	• Temperature resistance long term	100 °C
• Dielectric breakdown voltage	7500 V	• Temperature resistance short term	200 °C
• Humidity resistance	good	• Transmittance (380 - 780nm) <	0.005 %
• Softener resistance	good		

Adhesion to Values

• ABS (initial)	7.3 N/cm	• Glass (after 14 days)	9 N/cm
• ABS (after 14 days)	7.9 N/cm	• PC (initial)	7.6 N/cm
• Aluminium (initial)	6.7 N/cm	• PC (after 14 days)	9.1 N/cm
• Aluminium (after 14 days)	8.5 N/cm	• Steel (initial)	7.5 N/cm
• Glass (initial)	8.1 N/cm	• Steel (after 14 days)	9.5 N/cm

Additional Information

tesa[®] 7100 is certified according to UL-510

Disclaimer

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