tesa® 7100

Product Information

100µm solid black single-sided adhesive 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
- Pinhole-free product design
- Very high electrical resistance

Product Features

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- Excellent light blocking performance
- Excellent peel strength and shear resistance
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- Excellent handling performance in converting processes
- Pin whole free product design
- Very high electrical resistance
- Excellent resistance to demanding environmental conditions

Application Fields

- 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.

Product Construction

• Backing	PET film
• Type of adhesive	acrylic
• Type of liner	glassine
• Total thickness	100 µm 3.9 mils
• Color of liner	white
• Thickness of liner	70 µm 2.8 mils

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

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Product Information

Properties/Performance Values

- Elongation at break: 80 %
- Tensile strength: 60 N/cm, 34.3 lbs/in
- Ageing resistance (UV): very good
- Dielectric breakdown voltage: 7500 V
- Humidity resistance: good
- Softener resistance: good
- Static shear resistance at 40°C: very good
- Tack: good
- Temperature resistance long term: 100 °C, 212 °F
- Temperature resistance short term: 200 °C, 392 °F
- Transmittance (380 - 780nm) <: 0.005 %

Adhesion to Values

- ABS (initial): 7.3 N/cm, 66.7 oz/in
- ABS (after 14 days): 7.9 N/cm, 72.2 oz/in
- Aluminium (initial): 6.7 N/cm, 61.2 oz/in
- Aluminium (after 14 days): 8.5 N/cm, 77.7 oz/in
- Glass (initial): 8.1 N/cm, 74 oz/in
- Glass (after 14 days): 9 N/cm, 82.2 oz/in
- PC (initial): 7.6 N/cm, 69.4 oz/in
- PC (after 14 days): 9.1 N/cm, 83.1 oz/in
- Steel (initial): 7.5 N/cm, 68.5 oz/in
- Steel (after 14 days): 9.5 N/cm, 86.8 oz/in

Additional Information

tesa® 7100 is certified according to UL-510

Disclaimer

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