



tesa® 51982

Product Information



100µm double sided black filmic tape

Product Description

tesa® 51982 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa® 51982 features especially:

- Excellent bonding strength/thickness ratio
- Good bonding strength to most common, smooth, even substrates
- Reliable adhesion in high temperature applications

Application Fields

- Mounting of backlight to LCD panel
- Mounting of LCD panel to metal frame
- Battery pack mounting

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 material	PET film	• Total thickness	100 µm
• Type of adhesive	tackified acrylic, acrylic, advanced acrylic, modified acrylic	• Color	black, beige

Properties/Performance Values

• Elongation at break	50 %	• Static shear resistance at 23°C	good
• Tensile strength	20 N/cm	• Static shear resistance at 40°C	good
• Ageing resistance (UV)	very good	• Tack	medium, good
• Chemical resistance	good	• Temperature resistance long term	100 °C
• Humidity resistance	very good	• Temperature resistance short term	200 °C
• Softener resistance	good		



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Adhesion to Values

• ABS (initial)	7.6 N/cm	• PET (after 14 days)	8.4 N/cm
• ABS (after 14 days)	9.6 N/cm	• PP (initial)	4.4 N/cm
• Aluminium (initial)	7.9 N/cm	• PP (after 14 days)	6.2 N/cm
• Aluminium (after 14 days)	10.6 N/cm	• PS (initial)	8.3 N/cm
• PC (initial)	9.2 N/cm	• PS (after 14 days)	9.2 N/cm
• PC (after 14 days)	11 N/cm	• PVC (initial)	7 N/cm
• PE (initial)	4.6 N/cm	• PVC (after 14 days)	10 N/cm
• PE (after 14 days)	5.1 N/cm	• Steel (initial)	11 N/cm
• PET (initial)	7 N/cm	• Steel (after 14 days)	11.7 N/cm

Disclaimer

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.