

# tesa® 51410



## product information

100µm d/s black non-woven tape

tesa® 51410 is a black, double-sided self-adhesive tape consisting of a non-woven backing and a black tackified acrylic adhesive.

tesa® 51410 features especially:

- High bonding strength on various kinds of substrates
- Excellent drop-shock resistance
- Very good light shielding properties

### Main Application

- Mobile phone lens mounting
- Applications where black color of die-cut is requested for improved light shielding or processability

### Technical Information (average values)

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

#### Technical Data

• Backing material	non-woven	• Type of liner	PE-coated paper
• Color	black	• Colour of liner	white
• Total thickness	100 µm	• Thickness of liner	120 µm
• Type of adhesive	tackified acrylic		

#### Adhesion to

• Steel (initial)	7.7 N/cm	• Steel (after 14 days)	10.1 N/cm
• ABS (initial)	6.3 N/cm	• ABS (after 14 days)	8.6 N/cm
• Glass (initial)	7.2 N/cm	• Glass (after 14 days)	9.1 N/cm
• PC (initial)	7.5 N/cm	• PC (after 14 days)	9.8 N/cm
• PE (initial)	3.0 N/cm	• PE (after 14 days)	4.5 N/cm

#### Properties

• Temperature resistance short term	140 °C	• Humidity resistance	●●●●
• Temperature resistance long term	80 °C	• Resistance to chemicals	●●●
• Tack	●●●	• Softener resistance	●●
• Ageing resistance (UV)	●●●●	• Static shear resistance at 23°C	●●●

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

#### Additional Information

Liner variants:

PV44 white PE-coated paper / non printed

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### 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.



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