



tesa[®] 51414

Product Information

140µm d/s black non-woven tape

Product Description

tesa[®] 51414 is a black, double-sided self-adhesive tape consisting of a non-woven backing and a black tackified acrylic adhesive.

tesa[®] 51414 features especially:

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

Product Features

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

Application Fields

- 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.

Product Construction

• Backing	non-woven	• Color	black
• Type of adhesive	tackified acrylic	• Color of liner	white
• Type of liner	PE-coated paper	• Thickness of liner	120 µm
• Total thickness	140 µm		

Properties/Performance Values

• Ageing resistance (UV)	very good	• Static shear resistance at 23°C	good
• Chemical Resistance	good	• Tack	good
• Humidity resistance	very good	• Temperature resistance long term	80 °C
• Softener resistance	medium	• Temperature resistance short term	140 °C



tesa[®] 51414

Product Information

Adhesion to Values

• ABS (initial)	8.1 N/cm	• PC (after 14 days)	11.7 N/cm
• ABS (after 14 days)	10.5 N/cm	• PE (initial)	3.6 N/cm
• Glass (initial)	9 N/cm	• PE (after 14 days)	5.5 N/cm
• Glass (after 14 days)	11.3 N/cm	• Steel (initial)	9.8 N/cm
• PC (initial)	9.2 N/cm	• Steel (after 14 days)	11.5 N/cm

Additional Information

Liner variants:

PV44 white PE-coated paper / non printed

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.



For latest information on this product please visit <http://l.tesa.com/?ip=51414>