

tesa® 51416

160µm d/s black non-woven tape

tesa® 51416 is a black, double-sided self-adhesive tape consisting of a non-woven backing and a black tackified acrylic adhesive.

tesa® 51416 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 Data

▪ Backing material	non-woven	▪ Type of liner	PE-coated paper
▪ Color	black	▪ Colour of liner	white
▪ Total thickness	160 µm	▪ Thickness of liner	120 µm
▪ Type of adhesive	tackified acrylic		

Adhesion to

▪ Steel (initial)	10.4 N/cm	▪ Steel (after 14 days)	12.7 N/cm
▪ ABS (initial)	8.0 N/cm	▪ ABS (after 14 days)	11.2 N/cm
▪ Glass (initial)	10.0 N/cm	▪ Glass (after 14 days)	12.0 N/cm
▪ PC (initial)	10.2 N/cm	▪ PC (after 14 days)	13.3 N/cm
▪ PE (initial)	3.6 N/cm	▪ PE (after 14 days)	5.8 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

For latest information on this product please visit <http://l.tesa.com/?ip=51416>

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