

tesa® 51965

205µm double sided black filmic tape

PRODUCT INFORMATION

Product Description

tesa® 51965 is a double-sided self-adhesive tape consisting of a black PET backing and a modified acrylic adhesive .

tesa® 51965 features especially:

- An excellent balance of high shear resistance, adhesion performance and initial tack
- Secure bond even to critical surfaces such as low surface energy materials (e.g. PP and PE) and powder painted substrates
- Outstanding holding power
- Black colour to optimise automatic pick and place processes

Main Application

- Mounting of lenses and cushioning foams in cellular phones
- Mounting of exterior car mirrors in the automotive industry

Technical Data

■ Backing material	PET film	■ Type of adhesive	tackified acrylic
■ Colour	black	■ Elongation at break	50 %
■ Total thickness	205 µm	■ Tensile strength	20 N/cm

Adhesion to

■ Steel (initial)	11.5 N/cm	■ Steel (after 14 days)	14.0 N/cm
■ ABS (initial)	10.8 N/cm	■ ABS (after 14 days)	11.9 N/cm
■ Aluminium (initial)	10.2 N/cm	■ Aluminium (after 14 days)	12.6 N/cm
■ PC (initial)	12.2 N/cm	■ PC (after 14 days)	13.4 N/cm
■ PE (initial)	5.6 N/cm	■ PE (after 14 days)	6.6 N/cm
■ PET (initial)	9.8 N/cm	■ PET (after 14 days)	11.9 N/cm
■ PP (initial)	6.0 N/cm	■ PP (after 14 days)	8.8 N/cm
■ PS (initial)	10.4 N/cm	■ PS (after 14 days)	12.1 N/cm
■ PVC (initial)	9.6 N/cm	■ PVC (after 14 days)	12.8 N/cm

Properties

■ Temperature resistance short term	200 °C	■ Resistance to chemicals	+
■ Temperature resistance long term	100 °C	■ Softener resistance	+
■ Tack	+	■ Static shear resistance at 23°C	+
■ Ageing resistance (UV)	++	■ Static shear resistance at 40°C	+
■ Humidity resistance	++		

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

For latest information on this product please visit <http://l.tesa.com/?ip=51965>

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