

## Product Information

205µm double sided black filmic tape

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 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	PET film	• Type of adhesive	tackified acrylic
• Color	black	• Elongation at break	50 %
• Total thickness	205 µm	• Tensile strength	20 N/cm

#### Adhesion to

• Steel (initial)	12.3 N/cm	• Steel (after 14 days)	14.2 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 ●● medium ● low

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### Disclaimer

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