



# tesa<sup>®</sup> 51965

## Product Information

205µm double sided black filmic tape

### Product Description

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

### Product Features

- 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

### Application Fields

- 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.

### Product Construction

- |                    |                   |                   |        |
|--------------------|-------------------|-------------------|--------|
| • Backing          | PET film          | • Total thickness | 205 µm |
| • Type of adhesive | tackified acrylic | • Color           | black  |

### Properties/Performance Values

- |                          |           |                                     |        |
|--------------------------|-----------|-------------------------------------|--------|
| • Elongation at break    | 50 %      | • Static shear resistance at 23°C   | good   |
| • Tensile strength       | 30 N/cm   | • Static shear resistance at 40°C   | good   |
| • Ageing resistance (UV) | very good | • Tack                              | good   |
| • Humidity resistance    | very good | • Temperature resistance long term  | 100 °C |
| • Softener resistance    | good      | • Temperature resistance short term | 200 °C |



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## Product Information

### Adhesion to Values

• ABS (initial)	10.8 N/cm	• PET (after 14 days)	11.9 N/cm
• ABS (after 14 days)	11.9 N/cm	• PP (initial)	6 N/cm
• Aluminium (initial)	10.2 N/cm	• PP (after 14 days)	8.8 N/cm
• Aluminium (after 14 days)	12.6 N/cm	• PS (initial)	10.4 N/cm
• PC (initial)	12.2 N/cm	• PS (after 14 days)	12.1 N/cm
• PC (after 14 days)	13.4 N/cm	• PVC (initial)	9.6 N/cm
• PE (initial)	5.6 N/cm	• PVC (after 14 days)	12.8 N/cm
• PE (after 14 days)	6.6 N/cm	• Steel (initial)	11.5 N/cm
• PET (initial)	9.8 N/cm	• Steel (after 14 days)	14 N/cm

### Disclaimer

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