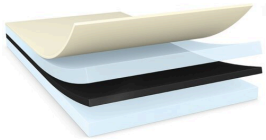
tesa® 51965

Product Information



Black double-sided high temperature shear resistant filmic tape

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:

- 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

Product Features

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- 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 mobile 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 material	PET film	Total thickness	205 µm
Type of adhesive	tackified acrylic	Colour	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 duration	100 °C
Softener resistance	good	Temperature resistance short term duration	200 °C

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

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Product Information

Adhesion to Values

- 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 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
- Steel (initial) 11.5 N/cm
- Steel (after 14 days) 14 N/cm

Additional Information

Liner variants:
PV0 brown glassine paper (71µm; 82g/m^2)
PV4 white with blue tesa® logo PE-coated paper (122µm; 120g/m^2)
PV6 red MOPP-film (80µm; 72g/m^2)
PV7 transparent PET-film (50µm; 72g/m^2)
PV11 white PET-film (50µm; 72g/m^2)

Disclaimer

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