tesa® 51972

Product Information

Black double-sided very thin filmic tape

Product Description

tesa® 51972 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa® 51972 features:

- Very low thickness of only 48µm
- High adhesion level relative to low thickness
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

Product Features

- Thickness: 48µm
- High adhesion level
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

Application Fields

- Mounting of metal or plastic badges and signs
- Fixing of reflection foil to LCD frame
- Splicing of thin plastic films

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
Type of adhesive	tackified acrylic
Total thickness	48 µm 1.9 mils
Color	black

Properties/Performance Values

Elongation at break	50 %
Tensile strength	20 N/cm 11.4 lbs/in
Ageing resistance (UV)	very good
Chemical Resistance	good
Humidity resistance	very good
Softener resistance	good
Static shear resistance at 23°C	good
Static shear resistance at 40°C	medium
Tack	medium
Temperature resistance long term	100 °C 212 °F
Temperature resistance short term	200 °C 392 °F

For latest information on this product please visit http://l.tesa.com/?ip=51972

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Product Information

Adhesion to Values

- ABS (initial) 5.3 N/cm 48.4 oz/in
- ABS (after 14 days) 6.5 N/cm 59.4 oz/in
- Aluminium (initial) 5.2 N/cm 47.5 oz/in
- Aluminium (after 14 days) 7.7 N/cm 70.3 oz/in
- PC (initial) 6.5 N/cm 59.4 oz/in
- PC (after 14 days) 8.6 N/cm 78.6 oz/in
- PE (initial) 3.1 N/cm 28.3 oz/in
- PE (after 14 days) 3.5 N/cm 32 oz/in
- PET (initial) 5.3 N/cm 48.4 oz/in
- PET (after 14 days) 7 N/cm 64 oz/in
- PP (initial) 3 N/cm 27.4 oz/in
- PP (after 14 days) 4.8 N/cm 43.9 oz/in
- PS (initial) 5.4 N/cm 49.3 oz/in
- PS (after 14 days) 7.1 N/cm 64.9 oz/in
- PVC (initial) 5.7 N/cm 52.1 oz/in
- PVC (after 14 days) 9.4 N/cm 85.9 oz/in
- Steel (initial) 7 N/cm 64 oz/in
- Steel (after 14 days) 9.6 N/cm 87.7 oz/in

Additional Information

Liner variants:
PV0 brown glassine paper (71µm; 82g/m2)

Disclaimer

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