tesa® 4972

Product Information

Double-sided very thin filmic tape

Product Description

tesa® 4972 is a transparent double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 4972 features especially:

- 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	• Total thickness	48 µm
• Type of adhesive	tackified acrylic	• Color	transparent

Properties/Performance Values

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

For latest information on this product please visit http://l.tesa.com/?ip=04972

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Product Information

Adhesion to Values

- ABS (initial) 5.3 N/cm
- ABS (after 14 days) 6.5 N/cm
- Aluminium (initial) 5.2 N/cm
- Aluminium (after 14 days) 7.7 N/cm
- PC (initial) 6.5 N/cm
- PC (after 14 days) 8.6 N/cm
- PE (initial) 3.1 N/cm
- PE (after 14 days) 3.5 N/cm
- PET (initial) 5.3 N/cm
- PET (after 14 days) 7 N/cm
- PP (initial) 3 N/cm
- PP (after 14 days) 4.8 N/cm
- PS (initial) 5.4 N/cm
- PS (after 14 days) 7.1 N/cm
- PVC (initial) 5.7 N/cm
- PVC (after 14 days) 9.4 N/cm
- Steel (initial) 7 N/cm
- Steel (after 14 days) 9.6 N/cm

Additional Information

Liner variants:
PV0/PV42 brown glassine paper (71µm; 82g/m^2)
PV40 white/red tesa® logo glassine paper (71µm; 82g/m^2)
PV4/PV43 white with blue tesa® logo PE-coated paper (122µm; 120g/m^2)
PV6 red MOPP-film (80µm; 72g/m^2)
PV52 transparent PET-film (75µm; 110g/m^2)

Disclaimer

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