

tesa® 4983

Product Information

Double-sided ultrathin tape

Product Description

tesa® 4983 is a transparent double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 4983 features:

- Low thickness of 30µm
- Good adhesion level relative to low thickness to smooth surfaces
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes
- Dielectric bus bar mounting in thin film solar modules

Application Fields

- Lamination of cushioning materials to LCDs
- 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 material | PET film | • Total thickness | 30 µm |
| • Type of adhesive | tackified acrylic | • Colour | 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 | medium |
| • Ageing resistance (UV) | very good | • Tack | low |
| • Chemical resistance | good | • Temperature resistance long term duration | 100 °C |
| • Humidity resistance | very good | • Temperature resistance short term duration | 200 °C |
| • Softener resistance | good | | |

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Adhesion to Values

• ABS (initial)	4.5 N/cm	• PET (after 14 days)	4.8 N/cm
• ABS (after 14 days)	5.3 N/cm	• PP (initial)	2.3 N/cm
• Aluminium (initial)	4.1 N/cm	• PP (after 14 days)	3.7 N/cm
• Aluminium (after 14 days)	5.5 N/cm	• PS (initial)	4 N/cm
• PC (initial)	5.2 N/cm	• PS (after 14 days)	5.2 N/cm
• PC (after 14 days)	6 N/cm	• PVC (initial)	3.6 N/cm
• PE (initial)	2 N/cm	• PVC (after 14 days)	6.4 N/cm
• PE (after 14 days)	3.3 N/cm	• Steel (initial)	5.2 N/cm
• PET (initial)	4.2 N/cm	• Steel (after 14 days)	7.6 N/cm

Additional Information

Recognized according to UL 969, file number MH18055

Liner variants:

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

PV6 red MOPP-film (80µm; 72g/m²)

Disclaimer

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