



tesa[®] 4983

Product Information

30µm double sided transparent filmic 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 especially:

- Thickness: 30µm
- Good adhesion level
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

Product Features

- Certified according to IEC 60454-3-1 (VDE, IMQ, SEMKO), VOC-certified, RoHS 2.0 and REACH conform
- Thickness: 30µm
- Good adhesion level
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

Applications

- Lamination of cushioning materials to LCDs
- Fixing of reflection foil to LCD frame
- Splicing of thin plastic films
- Dielectric mounting of bus bar in thin film solar modules

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Applications

- | | | | |
|--------------------|-------------------|-------------------|-------------|
| • Backing | PET film | • Total thickness | 30 µm |
| • Type of adhesive | tackified acrylic | • Color | transparent |



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Product Information

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	100 °C
• Humidity resistance	very good	• Temperature resistance short term	200 °C
• Softener resistance	good		

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:

PV20 brown/blue logo glassine paper (71µm; 82g/m²)

Disclaimer

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