



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.

Special features:

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

Application Fields

- 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.

Product Construction

- | | | | |
|--------------------|-------------------|-------------------|-------------|
| • Backing | PET film | • Total thickness | 30 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
11.4 lbs/in | • Static shear resistance at 40°C | medium |
| • Ageing resistance (UV) | very good | • Tack | low |
| • Chemical Resistance | good | • Temperature resistance long term | 100 °C
212 °F |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C
392 °F |
| • Softener resistance | good | | |

For latest information on this product please visit <http://l.tesa.com/?ip=04983>



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Adhesion to Values

• ABS (initial)	4.5 N/cm 41.1 oz/in	• PET (after 14 days)	4.8 N/cm 43.9 oz/in
• ABS (after 14 days)	5.3 N/cm 48.4 oz/in	• PP (initial)	2.3 N/cm 21 oz/in
• Aluminium (initial)	4.1 N/cm 37.5 oz/in	• PP (after 14 days)	3.7 N/cm 33.8 oz/in
• Aluminium (after 14 days)	5.5 N/cm 50.2 oz/in	• PS (initial)	4 N/cm 36.5 oz/in
• PC (initial)	5.2 N/cm 47.5 oz/in	• PS (after 14 days)	5.2 N/cm 47.5 oz/in
• PC (after 14 days)	6 N/cm 54.8 oz/in	• PVC (initial)	3.6 N/cm 32.9 oz/in
• PE (initial)	2 N/cm 18.3 oz/in	• PVC (after 14 days)	6.4 N/cm 58.5 oz/in
• PE (after 14 days)	3.3 N/cm 30.1 oz/in	• Steel (initial)	5.2 N/cm 47.5 oz/in
• PET (initial)	4.2 N/cm 38.4 oz/in	• Steel (after 14 days)	7.6 N/cm 69.4 oz/in

Additional Information

Recognized according to UL 969, file number MH18055.

Liner variants:

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



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Disclaimer

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