

tesa® 4983

30µm double sided transparent filmic tape

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

Main Application

- 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 Data

▪ Backing material	PET film	▪ Type of adhesive	tackified acrylic
▪ Color	transparent	▪ Elongation at break	50 %
▪ Total thickness	30 µm	▪ Tensile strength	20 N/cm

Adhesion to

▪ Steel (initial)	5.2 N/cm	▪ ABS (after 14 days)	5.3 N/cm
▪ ABS (initial)	4.5 N/cm	▪ Aluminium (after 14 days)	5.5 N/cm
▪ Aluminium (initial)	4.1 N/cm	▪ PC (after 14 days)	6.0 N/cm
▪ PC (initial)	5.2 N/cm	▪ PE (after 14 days)	3.3 N/cm
▪ PE (initial)	2.0 N/cm	▪ PET (after 14 days)	4.8 N/cm
▪ PET (initial)	4.2 N/cm	▪ PMMA (after 14 days)	55.0 N/cm
▪ PP (initial)	2.3 N/cm	▪ PP (after 14 days)	3.7 N/cm
▪ PS (initial)	4.0 N/cm	▪ PS (after 14 days)	5.2 N/cm
▪ PVC (initial)	3.6 N/cm	▪ PVC (after 14 days)	6.4 N/cm
▪ Steel (after 14 days)	7.6 N/cm		

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

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Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	● ● ●
▪ Temperature resistance long term	100 °C	▪ Softener resistance	● ● ●
▪ Tack	●	▪ Static shear resistance at 23°C	● ● ●
▪ Ageing resistance (UV)	● ● ● ●	▪ Static shear resistance at 40°C	● ●
▪ Humidity resistance	● ● ● ●		

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

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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