

tesa® 51980 80µm double sided black filmic tape

tesa® 51980 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa® 51980 features especially:

- Good bonding strength to most common smooth, even substrates
- Superior converting performance due to strong PET backing
- Initial repositioning in the assembly process by reduced immediate contact adhesion

Main Application

- Mounting of components to Electronic devices
- Mounting of nameplates, badges and light signs
- Mounting of decorative profiles and mouldings in the furniture industry

Technical Data

▪ Backing material	PET film	▪ Type of adhesive	tackified acrylic
▪ Color	black	▪ Elongation at break	50 %
▪ Total thickness	80 µm	▪ Tensile strength	20 N/cm

Adhesion to

▪ Steel (initial)	8.6 N/cm	▪ Steel (after 14 days)	9.7 N/cm
▪ ABS (initial)	6.5 N/cm	▪ ABS (after 14 days)	8.0 N/cm
▪ Aluminium (initial)	6.3 N/cm	▪ Aluminium (after 14 days)	8.5 N/cm
▪ PC (initial)	7.7 N/cm	▪ PC (after 14 days)	9.4 N/cm
▪ PE (initial)	4.0 N/cm	▪ PE (after 14 days)	4.6 N/cm
▪ PET (initial)	6.2 N/cm	▪ PET (after 14 days)	7.7 N/cm
▪ PP (initial)	3.4 N/cm	▪ PP (after 14 days)	6.1 N/cm
▪ PS (initial)	7.0 N/cm	▪ PS (after 14 days)	8.5 N/cm
▪ PVC (initial)	6.8 N/cm	▪ PVC (after 14 days)	10.7 N/cm

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

For latest information on this product please visit <http://l.tesa.com/?ip=51980>

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Additional Information

Liner variants:

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

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