

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>

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

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Additional Information

Liner variants:

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

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