

tesa® 51982

100µm double sided black filmic tape

tesa® 51982 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa® 51982 features especially:

- Excellent bonding strength/thickness ratio
- Good bonding strength to most common, smooth, even substrates
- Reliable adhesion in high temperature applications

Main Application

- Mounting of backlight to LCD panel
- Mounting of LCD panel to metal frame
- Battery pack mounting

Technical Data

▪ Backing material	PET film	▪ Type of adhesive	tackified acrylic
▪ Color	black	▪ Elongation at break	50 %
▪ Total thickness	100 µm	▪ Tensile strength	20 N/cm

Adhesion to

▪ Steel (initial)	8.2 N/cm	▪ Steel (after 14 days)	11.7 N/cm
▪ ABS (initial)	7.6 N/cm	▪ ABS (after 14 days)	9.6 N/cm
▪ Aluminium (initial)	7.9 N/cm	▪ Aluminium (after 14 days)	10.6 N/cm
▪ PC (initial)	9.2 N/cm	▪ PC (after 14 days)	11.0 N/cm
▪ PE (initial)	4.6 N/cm	▪ PE (after 14 days)	5.1 N/cm
▪ PET (initial)	7.0 N/cm	▪ PET (after 14 days)	8.4 N/cm
▪ PP (initial)	4.4 N/cm	▪ PP (after 14 days)	6.2 N/cm
▪ PS (initial)	8.3 N/cm	▪ PS (after 14 days)	9.2 N/cm
▪ PVC (initial)	7.0 N/cm	▪ PVC (after 14 days)	10.0 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=51982>

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