productinformation

tesa® 51983
30µm double sided black filmic tape

tesa® 51983 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa® 51983 features especially:

- Thickness: 30µm
- Good adhesion level
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

Main Application

- Laminating of cushioning materials to LCDs
- Fixing of reflection foil to LCD frame
- Splicing of thin plastic films

Technical Data

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

Adhesion to

Steel (initial)	5.2 N/cm	Steel (after 14 days)	7.6 N/cm
ABS (initial)	4.5 N/cm	ABS (after 14 days)	5.3 N/cm
Aluminium (initial)	4.1 N/cm	Aluminium (after 14 days)	5.5 N/cm
PC (initial)	5.2 N/cm	PC (after 14 days)	6.0 N/cm
PE (initial)	2.0 N/cm	PE (after 14 days)	3.3 N/cm
PET (initial)	4.2 N/cm	PET (after 14 days)	4.8 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

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=51983

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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