

tesa® 51865

165µm double sided transparent asymmetrical filmic tape

tesa® 51865 is an asymmetrical transparent double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

The covered side of tesa® 51865 has a high coating weight for maximum flexibility and versatility on multiple surface demands. The open side of tesa® 51865 shows a reduced coating weight that guarantees a secure bond to flat profiles laminated under controlled conditions.

tesa® 51865 features especially:

- Excellent bond to extruded trims and profiles
- Reliable bond even to LSE (Low Surface Energy) substrates
- Immediate usability right after assembly
- Suitability for most demanding applications such as heavy stress, high temperatures or critical substrates

Main Application

- Mounting of decorative trims and profiles in the furniture industry
- Lamination of magnetic stripes
- Roller blind production
- Equipping extruded plastic profiles with transparent double sided filmic tape

Technical Data

▪ Backing material	PET film	▪ Type of adhesive	tackified acrylic
▪ Color	transparent	▪ Elongation at break	50 %
▪ Total thickness	165 µm	▪ Tensile strength	20 N/cm

For latest information on this product please visit <http://l.tesa.com/?ip=51865>

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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Adhesion to

▪ Steel (initial)	10.0 N/cm	▪ Steel (after 14 days)	10.5 N/cm
▪ Steel (covered side, initial)	13.0 N/cm	▪ Steel (covered side, after 14 days)	13.5 N/cm
▪ ABS (initial)	9.5 N/cm	▪ ABS (after 14 days)	10.0 N/cm
▪ ABS (covered side, initial)	12.0 N/cm	▪ ABS (covered side, after 14 days)	13.0 N/cm
▪ Aluminium (initial)	9.0 N/cm	▪ Aluminium (after 14 days)	9.5 N/cm
▪ Aluminium (covered side, initial)	12.0 N/cm	▪ Alu (covered side, after 14 days)	12.5 N/cm
▪ PC (initial)	9.0 N/cm	▪ PC (after 14 days)	12.0 N/cm
▪ PC (covered side, initial)	13.0 N/cm	▪ PC (covered side, after 14 days)	15.0 N/cm
▪ PE (initial)	6.5 N/cm	▪ PE (after 14 days)	7.0 N/cm
▪ PE (covered side, initial)	7.0 N/cm	▪ PE (covered side, after 14 days)	8.0 N/cm
▪ PET (initial)	9.0 N/cm	▪ PET (after 14 days)	9.5 N/cm
▪ PET (covered side, initial)	10.0 N/cm	▪ PET (covered side, after 14 days)	10.5 N/cm
▪ PP (initial)	7.0 N/cm	▪ PP (after 14 days)	8.0 N/cm
▪ PP (covered side, initial)	8.0 N/cm	▪ PP (covered side, after 14 days)	8.5 N/cm
▪ PS (initial)	9.0 N/cm	▪ PS (after 14 days)	11.0 N/cm
▪ PS (covered side, initial)	12.0 N/cm	▪ PS (covered side, after 14 days)	13.5 N/cm
▪ PVC (initial)	7.0 N/cm	▪ PVC (after 14 days)	11.0 N/cm
▪ PVC (covered side, initial)	9.0 N/cm	▪ PVC (covered side, after 14 days)	14.0 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

Additional Information

Liner variants:

PV0: brown glassine paper (71µm; 82g/m²)

PV6: red MOPP-film (80µm; 72g/m²)

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