productinformation

tesa® 4965

Double-sided tape with high shear and temperature resistance

tesa® 4965 is a flagship product with the tesa portfolio! This product is comprised of a polyester backing coated on both side with a transparent modified acrylic adhesive.

tesa® 4965 features include:

- Reliable bonding, even to low surface energy substrates
- Very high bonding strength immediate right after assembly
- Applicable for most the demanding applications those including heavy stress, high temperatures or critical substrates
- Suitable for mounting and bonding applications in every industry.

Main Application

- Mounting ABS plastic parts in the car industry
- Self-adhesive mounting of rubber/EPDM profiles
- Mounting decorative profiles and mouldings in the furniture industry
- Mounting battery packs, lenses and touch-screens in electronic devices
- Mounting and bonding in the appliance industry.
- tesa® 4965 is recognized according to UL standard 969. UL file: MH 18055

Technical Data

Backing material	PET film
Color	transparent
Total thickness	205 µm 8.1 mils
Type of adhesive	tackified acrylic
Elongation at break	50 %
Tensile strength	20 N/cm 11.4 lbs/in

For latest information on this product please visit http://l.tesa.com/?ip=04965

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)	11.5 N/cm 105.1 oz/in	▪ Steel (after 14 days)	11.8 N/cm 107.8 oz/in
▪ ABS (initial)	10.3 N/cm 94.1 oz/in	▪ ABS (after 14 days)	12.0 N/cm 109.6 oz/in
▪ Aluminium (initial)	9.2 N/cm 84.1 oz/in	▪ aluminium (after 14 days)	10.6 N/cm 96.8 oz/in
▪ PC (initial)	12.6 N/cm 115.1 oz/in	▪ PC (after 14 days)	14.0 N/cm 127.9 oz/in
▪ PE (initial)	5.8 N/cm 53 oz/in	▪ PE (after 14 days)	6.9 N/cm 63 oz/in
▪ PET (initial)	9.2 N/cm 84.1 oz/in	▪ PET (after 14 days)	9.5 N/cm 86.8 oz/in
▪ PP (initial)	6.8 N/cm 62.1 oz/in	▪ PP (after 14 days)	7.9 N/cm 72.2 oz/in
▪ PS (initial)	10.6 N/cm 96.8 oz/in	▪ PS (after 14 days)	12.0 N/cm 109.6 oz/in
▪ PVC (initial)	8.7 N/cm 79.5 oz/in	▪ PVC (after 14 days)	13.0 N/cm 118.8 oz/in

Properties

▪ Temperature resistance short term	200 °C 392 °F	▪ Resistance to chemicals	●●●
▪ Temperature resistance long term	100 °C 212 °F	▪ Softener resistance	●●●
▪ Tack	●●●	▪ Static shear resistance at 73,4 °F	●●●
▪ Ageing resistance (UV)	●●●●	▪ Static shear resistance at 104 °F	●●●
▪ Humidity resistance	●●●●		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

Additional Information

Liner variants:
PV0 red MOPP-film (80µm; 72g/m²)
PV1 brown glassine paper (71µm; 82g/m²)

This product information applies to PV1

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