



TBP Converting, Inc.
Tesa 4965 PDS

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

tesa® 4965

Double-sided tape with high shear and temperature resistance

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)