tesa® 4953

Product Information

100µm double-sided transparent PET film tape

Product Description

tesa® 4953 – Team 4965 Thin 100µm is a transparent, double-sided industrial mounting tape consisting of a PET backing and a tackified acrylic adhesive. The double-sided mounting tape is the 100µm thin version of tesa® 4965 Original and its adhesive is based on a patented and protected product technology. tesa® 4953 – Team 4965 Thin 100µm is used in various different industries, frequently for bonding components within electronic devices. The double-sided industrial mounting tape is able to withstand numerous environmental factors such as humidity, UV light, and temperatures of up to 200°C for limited periods of time. The tackified acrylic adhesive offers excellent hold on various surfaces, high tack, and good shear strength.

Several products are equipped with this unique and high-performing product design. Together, these products make up Team 4965. This double-sided film tape assortment helps to easily select themost efficient tape based on customer demands, products, and processes. Explore the benefits of the full tesa® 4965 assortment here:

https://www.tesa.com/en/industry/general-applications/mounting/team-4965-assortment

Product Features

* In accordance with UL standard 969
* Skin contact certification according to ISO 10993-5 and ISO 10993-10
* Reliable bond, often also on low surface energy surfaces
* Immediate usability right after assembly
* Low VOC – measured according to VDA 278 analysis

Application Fields

* tesa® 4953 – Team 4965 Thin 100µm is used in different industries
* Frequently used for bonding components within electronic devices
* Various industrial long-term mounting applications

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

Backing material	PET	Colour	transparent
Type of adhesive	tackified acrylic	Colour of liner	brown/blue logo
Type of liner	glassine	Thickness of liner	69 µm
Total thickness	100 µm	Weight of liner	80 g/m²

For latest information on this product please visit http://l.tesa.com/?ip=04953

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Product Information

Properties/Performance Values

- Elongation at break — 50 %
- Tensile strength — 20 N/cm
- Ageing resistance (UV) — good
- Chemical resistance — good
- Humidity resistance — very good
- Softener resistance — good

- Static shear resistance at 23°C — very good
- Static shear resistance at 40°C — very good
- Tack — good
- Temperature resistance long term duration — 100 °C
- Temperature resistance min. — -40 °C
- Temperature resistance short term duration — 200 °C

Adhesion to Values

- 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 N/cm
- PE (initial) — 4.6 N/cm
- PE (after 14 days) — 5.1 N/cm
- PET (initial) — 7 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 N/cm
- PVC (after 14 days) — 10 N/cm
- Steel (initial) — 11 N/cm
- Steel (after 14 days) — 11.7 N/cm

Additional Information

Liner variants:

- PV20: branded brown glassine paper (69µm; 80g/m^2)

Low VOC – measured according to VDA 278 analysis, tesa® 4953 does not contain any single substances restricted by the drafted GB regulations (China).

Disclaimer

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