tesa® 4962

Product Information

160 µm double sided translucent premium non woven tape

Product Description

tesa® 4962 is a double-sided non-woven industrial mounting and splicing tape with a highly tackified acrylic adhesive. The premium non-woven tape is, for instance, used for mounting signs and nameplates or other mounting and high-performance lamination applications. tesa® 4962 is especially designed to connect flexible materials to one another. The mounting and splicing 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, very high tack, and good shear strength. The adhesive is coated on a flexible and conformable cellulose non-woven backing that even conforms to difficult 3D shapes.

tesa® 4962 is also available in a 100 µm version (tesa® 4959).

Product Features

* Skin contact certification according to ISO 10993-5 and ISO 10993-10
* Reliable bond, often also on low surface energy surfaces
* Light and aging-resistant acrylic adhesive for long-term applications
* Excellent initial tack and peel adhesion
* Good converting and die-cutting properties
* Highly conformable to follow difficult 3D shapes due to non-woven backing

Application Fields

* tesa® 4962 is ideally used for industrial mounting, high-performance lamination, and splicing applications
* Mounting signs, covers, nameplates, and door linings in the automotive industry
* Laminating insulation materials and foams for HVAC (heating, ventilation, and air conditioning) seals
* Mounting plastic bags, dispatch bags, continuous stationery, posters, etc.
* Splicing of paper and film webs

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 — non-woven
* Type of adhesive — tackified acrylic
* Type of liner — paper
* Total thickness — 160 µm
* Color — translucent
* Color of liner — brown
* Thickness of liner — 69 µm
* Weight of liner — 80 g/m²

For latest information on this product please visit http://l.tesa.com/?ip=04962

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Product Information

Properties/Performance Values

- Elongation at break — 3 %
- Tensile strength — 8 N/cm
- Ageing resistance (UV) — very good
- Chemical Resistance — good
- Fogging — good
- Humidity resistance — very good

- Static shear resistance at 23°C — good
- Static shear resistance at 40°C — medium
- Tack — very good
- Temperature resistance long term — 80 °C
- Temperature resistance min. — -40 °C
- Temperature resistance short term — 200 °C

Adhesion to Values

- ABS (initial) — 11 N/cm
- ABS (after 14 days) — 12 N/cm
- Aluminium (initial) — 10 N/cm
- Aluminium (after 14 days) — 10.5 N/cm
- PC (initial) — 13 N/cm
- PC (after 14 days) — 14 N/cm
- PC (covered side, after 14 days) — 14 N/cm
- PE (initial) — 6.5 N/cm
- PE (after 14 days) — 7 N/cm
- PET (initial) — 9.5 N/cm

- PET (after 14 days) — 10.5 N/cm
- PP (initial) — 8.5 N/cm
- PP (after 14 days) — 10 N/cm
- PS (initial) — 12 N/cm
- PS (after 14 days) — 13 N/cm
- PVC (initial) — 11 N/cm
- PVC (after 14 days) — 15 N/cm
- Steel (initial) — 11.5 N/cm
- Steel (after 14 days) — 12 N/cm

Additional Information

For spools, it is recommended to use tesa® dispensers to achieve optimal results.

According to VDA278 analysis, tesa® 4962 does not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labour and Welfare Ministry (Japan).

Disclaimer

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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