tesa® 4914

Product Information

250 µm double sided translucent non woven tape with asymmetrical product design

Product Description

tesa® 4914 is a double-sided industrial mounting tape consisting of a non-woven backing and a highly tackified acrylic adhesive. The asymmetrical non-woven tape is especially designed for excellent performance on rough surfaces like leather and textiles, or plaster and stone. The liner-covered side of tesa® 4914 has a high coating weight for maximum flexibility and versatility for multiple surface demands, particularly very rough surfaces. The open side has a reduced coating weight that delivers a secure bond to flat surfaces under controlled conditions. The mounting tape is able to withstand numerous environmental factors such as humidity, UV light, and temperatures of up to 140°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.

Product Features

- Asymmetrical product design with superior adhesion on liner-covered side
- Excellent performance on rough surfaces like leather and textiles
- Reliable bond, often also on low surface energy surfaces
- Low VOC according to VDA278 analysis
- Flame retardant according to FAR/JAR/CS 25.853(a) Appendix F part I (a)(1)(ii)

Application Fields

- tesa® 4914 is suitable for various types of mounting applications
- Bonding leather and textiles as sewing support
- Laminating foamed materials in combination with smooth materials on the open side
- Mounting car roof linings in car production
- Mounting cables and wire harnesses to headliners for automotive interiors

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	• Color	translucent
• Type of adhesive	tackified acrylic	• Color of liner	red
• Type of liner	PE	• Thickness of liner	80 µm
• Total thickness	250 µm	• Weight of liner	92 g/m²

For latest information on this product please visit http://l.tesa.com/?ip=04914

tesa® 4914

Product Information

Properties/Performance Values

- Elongation at break 3 %
- Tensile strength 8 N/cm
- Ageing resistance (UV) good
- Chemical Resistance good
- Humidity resistance good
- Softener resistance good
- Static shear resistance at 23°C low
- Static shear resistance at 40°C low
- Tack good
- Temperature resistance long term 80 °C
- Temperature resistance min. -40 °C
- Temperature resistance short term 140 °C

Adhesion to Values

- ABS (initial) 5.6 N/cm
- ABS (after 14 days) 7.7 N/cm
- ABS (covered side, after 14 days) 7.6 N/cm
- ABS (covered side, initial) 7.6 N/cm
- Aluminium (initial) 5.2 N/cm
- Aluminium (after 14 days) 6.3 N/cm
- Aluminium (covered side, after 14 days) 8 N/cm
- Aluminium (covered side, initial) 7.8 N/cm
- PC (initial) 5.8 N/cm
- PC (after 14 days) 7.4 N/cm
- PC (covered side, after 14 days) 8.2 N/cm
- PC (covered side, initial) 8.1 N/cm
- PE (initial) 3.2 N/cm
- PE (after 14 days) 3.4 N/cm
- PE (covered side, after 14 days) 5.3 N/cm
- PE (covered side, initial) 4.2 N/cm
- PET (initial) 4.8 N/cm
- PET (after 14 days) 6.2 N/cm
- PET (covered side, after 14 days) 7.9 N/cm
- PET (covered side, initial) 7.8 N/cm
- PP (initial) 4.6 N/cm
- PP (after 14 days) 4.4 N/cm
- PP (covered side, after 14 days) 6.5 N/cm
- PP (covered side, initial) 5.6 N/cm
- PS (initial) 5.8 N/cm
- PS (after 14 days) 7.4 N/cm
- PS (covered side, after 14 days) 8.2 N/cm
- PS (covered side, initial) 8.1 N/cm
- PVC (initial) 4.8 N/cm
- PVC (after 14 days) 7.7 N/cm
- PVC (covered side, after 14 days) 7.8 N/cm
- PVC (covered side, initial) 7.8 N/cm
- Steel (initial) 7 N/cm
- Steel (after 14 days) 7.8 N/cm
- Steel (covered side, after 14 days) 9.3 N/cm
- Steel (covered side, initial) 8.2 N/cm

tesa® 4914

Product Information

Additional Information

According to VDA278 analysis, tesa® 4914 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.

For latest information on this product please visit http://l.tesa.com/?ip=04914