

## tesa® 4914 Low VOC

250µm double-sided non-woven tape with tackified acrylic adhesive and differential adhesion level for a wide range of rough materials

tesa® 4914 is a 250 µm translucent double-sided self-adhesive tape consisting of a non-woven backing and a tackified acrylic adhesive.

This tape is characterized by its differential adhesion properties for an excellent bonding strength on a wide range of materials, particularly very rough surfaces. Compared to the open side, the covered side is foamed, has a higher coating weight, and therefore offers a higher adhesion.

tesa® 4914 has been designed for an excellent performance on rough surfaces like leather and textiles, plaster and stone, or other rough materials.

### Main features

- Differential bonding strength
- Very good performance on rough surfaces
- High initial tack
- Superior adhesion level on covered side
- Lower adhesion level on open side
- Low VOC (according to GB 27630) – no critical substances detectable
- Flame retardant (according to FAR/JAR/CS 25.853(a) Appendix F part I (a)(1)(ii))
- Suitable for dispenser

### Main Application

tesa® 4914 is suitable for various types of mounting applications. To ensure the highest performance possible, our aim is to fully understand your application (including the substrates involved) in order to provide the right product recommendation.

Example applications are:

- Mounting car roof linings in car production
- Mounting cables and wire harnesses to headliners for automotive interiors
- Mounting leather and textiles as sewing support
- Laminating foamed materials in combination with smooth materials on the open side

### Technical Data

▪ Backing material	non-woven	▪ Tensile strength	8 N/cm
▪ Color	translucent	▪ Type of liner	PE
▪ Total thickness	250 µm	▪ Colour of liner	red
▪ Type of adhesive	tackified acrylic	▪ Thickness of liner	80 µm
▪ Elongation at break	3 %	▪ Weight of liner	92 g/m <sup>2</sup>

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

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. 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)	7.0 N/cm	▪ Steel (after 14 days)	7.8 N/cm
▪ Steel (covered side, initial)	8.2 N/cm	▪ Steel (covered side, after 14 days)	9.3 N/cm
▪ ABS (initial)	5.6 N/cm	▪ ABS (after 14 days)	7.7 N/cm
▪ ABS (covered side, initial)	7.6 N/cm	▪ ABS (covered side, after 14 days)	7.6 N/cm
▪ Aluminium (initial)	5.2 N/cm	▪ Aluminium (after 14 days)	6.3 N/cm
▪ Aluminium (covered side, initial)	7.8 N/cm	▪ Alu (covered side, after 14 days)	8.0 N/cm
▪ PC (initial)	5.8 N/cm	▪ PC (after 14 days)	7.4 N/cm
▪ PC (covered side, initial)	8.1 N/cm	▪ PC (covered side, after 14 days)	8.2 N/cm
▪ PE (initial)	3.2 N/cm	▪ PE (after 14 days)	3.4 N/cm
▪ PE (covered side, initial)	4.2 N/cm	▪ PE (covered side, after 14 days)	5.3 N/cm
▪ PET (initial)	4.8 N/cm	▪ PET (after 14 days)	6.2 N/cm
▪ PET (covered side, initial)	7.8 N/cm	▪ PET (covered side, after 14 days)	7.9 N/cm
▪ PP (initial)	3.6 N/cm	▪ PP (after 14 days)	4.4 N/cm
▪ PP (covered side, initial)	5.5 N/cm	▪ PP (covered side, after 14 days)	6.5 N/cm
▪ PS (initial)	5.8 N/cm	▪ PS (after 14 days)	7.4 N/cm
▪ PS (covered side, initial)	8.1 N/cm	▪ PS (covered side, after 14 days)	8.2 N/cm
▪ PVC (initial)	4.8 N/cm	▪ PVC (after 14 days)	7.7 N/cm
▪ PVC (covered side, initial)	7.8 N/cm	▪ PVC (covered side, after 14 days)	7.8 N/cm

### Properties

▪ Temperature resistance short term	140 °C	▪ Softener resistance	● ● ●
▪ Temperature resistance long term	80 °C	▪ Static shear resistance at 23°C	●
▪ Tack	● ● ●	▪ Static shear resistance at 40°C	●
▪ Ageing resistance (UV)	● ● ●		
▪ Humidity resistance	● ● ●		
▪ Resistance to chemicals	● ● ●		

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

### 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).

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