



tesa[®] 4914

Low VOC



Product Information

Double-sided non-woven tape with differential adhesive

Product Description

tesa[®] 4914 is a translucent double-sided self-adhesive tape consisting of a non-woven backing and a tackified acrylic adhesive with lower coating weight on the open side.

tesa[®] 4914 features especially:

- Open side: lower adhesion level
- Easier removal while tearing the bond apart from the original surface even after exposure to demanding environmental conditions
- Covered side: higher adhesion level
- Foamed adhesive coating with high initial tack
- Excellent performance on rough surfaces

Product Features

- Asymmetrical product design with superior adhesion on liner-covered side
- Excellent performance on rough surfaces like leather and textiles
- Reliable bond, even to low surface energy materials
- 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

- Mounting of car roof linings in car production
- Lamination of foamed materials in combination with smooth materials on the open side

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	non-woven	• Colour	translucent
• Type of adhesive	tackified acrylic	• Colour of liner	red
• Type of liner	PE	• Thickness of liner	80 µm
• Total thickness	250 µm	• Weight of liner	92 g/m ²



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Properties/Performance Values

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

Adhesion to Values

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



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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

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