



TBP Converting, Inc.
Tesa 4914 PDS

tesa® 4914

Double-sided non-woven tape with differential adhesion level

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
- Covered side: higher adhesion level
- Foamed adhesive coating with high initial tack
- Excellent performance on rough surfaces

Main Application

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

Technical Data

▪ Backing material	non-woven	▪ Tensile strength	8 N/cm
▪ Color	translucent		4.6 lbs/in
▪ Total thickness	250 µm	▪ Type of liner	PE
	9.8 mils	▪ Color of liner	red
▪ Type of adhesive	tackified acrylic	▪ Thickness of liner	80 µm
▪ Elongation at break	3 %		3.1 mils
		▪ Weight of liner	92 g/m ²

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Adhesion to

▪ Steel (initial)	7.0 N/cm 64 oz/in	▪ Steel (after 14 days)	7.8 N/cm 71.3 oz/in
▪ Steel (covered side, initial)	8.2 N/cm 74.9 oz/in	▪ Steel (covered side, after 14 days)	9.3 N/cm 85 oz/in
▪ ABS (initial)	5.6 N/cm 51.2 oz/in	▪ ABS (after 14 days)	7.7 N/cm 70.3 oz/in
▪ ABS (covered side, initial)	7.6 N/cm 69.4 oz/in	▪ ABS (covered side, after 14 days)	7.6 N/cm 69.4 oz/in
▪ Aluminium (initial)	5.2 N/cm 47.5 oz/in	▪ aluminium (after 14 days)	6.3 N/cm 57.6 oz/in
▪ Aluminium (covered side, initial)	7.8 N/cm 71.3 oz/in	▪ Alu (covered side, after 14 days)	8.0 N/cm 73.1 oz/in
▪ PC (initial)	5.8 N/cm 53 oz/in	▪ PC (after 14 days)	7.4 N/cm 67.6 oz/in
▪ PC (covered side, initial)	8.1 N/cm 74 oz/in	▪ PC (covered side, after 14 days)	8.2 N/cm 74.9 oz/in
▪ PE (initial)	3.2 N/cm 29.2 oz/in	▪ PE (after 14 days)	3.4 N/cm 31.1 oz/in
▪ PE (covered side, initial)	4.2 N/cm 38.4 oz/in	▪ PE (covered side, after 14 days)	5.3 N/cm 48.4 oz/in
▪ PET (initial)	4.8 N/cm 43.9 oz/in	▪ PET (after 14 days)	6.2 N/cm 56.6 oz/in
▪ PET (covered side, initial)	7.8 N/cm 71.3 oz/in	▪ PET (covered side, after 14 days)	7.9 N/cm 72.2 oz/in
▪ PP (initial)	4.6 N/cm 42 oz/in	▪ PP (after 14 days)	4.4 N/cm 40.2 oz/in
▪ PP (covered side, initial)	5.6 N/cm 51.2 oz/in	▪ PP (covered side, after 14 days)	6.5 N/cm 59.4 oz/in
▪ PS (initial)	5.8 N/cm 53 oz/in	▪ PS (after 14 days)	7.4 N/cm 67.6 oz/in
▪ PS (covered side, initial)	8.1 N/cm 74 oz/in	▪ PS (covered side, after 14 days)	8.2 N/cm 74.9 oz/in
▪ PVC (initial)	4.8 N/cm 43.9 oz/in	▪ PVC (after 14 days)	7.7 N/cm 70.3 oz/in
▪ PVC (covered side, initial)	7.8 N/cm 71.3 oz/in	▪ PVC (covered side, after 14 days)	7.8 N/cm 71.3 oz/in

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Properties

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|-------------------------------------|------------------|--------------------------------------|-------|
| ▪ Temperature resistance short term | 140 °C
284 °F | ▪ Softener resistance | ● ● ● |
| ▪ Temperature resistance long term | 80 °C
176 °F | ▪ Static shear resistance at 73,4 °F | ● |
| ▪ Tack | ● ● ● | ▪ Static shear resistance at 104 °F | ● |
| ▪ Ageing resistance (UV) | ● ● ● | | |
| ▪ Humidity resistance | ● ● ● | | |
| ▪ Resistance to chemicals | ● ● ● | | |

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