productinformation

tesa® 4914

Double-sided non-woven tape with differential adhesive

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

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	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/m²

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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)	4.6 N/cm	PP (after 14 days)	4.4 N/cm
PP (covered side, initial)	5.6 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

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