TBP Converting, Inc.
Tesa 4943 PDS

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productinformation

tesa® 4943
Double-sided non-woven tape

tesa® 4943 is a double-sided tape consisting of a non-woven backing equipped with a solvent based tackified acrylic adhesive. It provides a high initial tack and a good shear resistance.

Main Application

- Lamination of leather, textiles and foams
- Mounting of light parts such as signs, covers and nameplates
- Sealing of bags and envelopes
- Splicing

Technical Data

Backing material	non-woven
Color	translucent
Total thickness	100 µm 3.9 mils
Type of adhesive	tackified acrylic
Type of adhesive (covered side)	tackified acrylic
Elongation at break	2 %
Tensile strength	9 N/cm 5.1 lbs/in
Type of liner	PE-coated paper
Color of liner	white
Thickness of liner	120 µm 4.7 mils

Adhesion to

Steel (initial)	5.5 N/cm 50.2 oz/in	Steel (after 14 days)	8.1 N/cm 74 oz/in
ABS (initial)	6.6 N/cm 60.3 oz/in	ABS (after 14 days)	7.1 N/cm 64.9 oz/in
Aluminium (initial)	3.6 N/cm 32.9 oz/in	aluminium (after 14 days)	4.2 N/cm 38.4 oz/in
PC (initial)	7.7 N/cm 70.3 oz/in	PC (after 14 days)	7.1 N/cm 64.9 oz/in
PET (initial)	4.6 N/cm 42 oz/in	PET (after 14 days)	5.4 N/cm 49.3 oz/in
PS (initial)	6.9 N/cm 63 oz/in	PVC (after 14 days)	10.8 N/cm 98.7 oz/in
PVC (initial)	6.1 N/cm 55.7 oz/in		

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Properties

- Temperature resistance short term: 100 °C / 212 °F
- Temperature resistance long term: 70 °C / 158 °F
- Tack: ●●●
- Ageing resistance (UV): ●●●
- Humidity resistance: ●●●
- Resistance to chemicals: ●●
- Static shear resistance at 73,4 °F: ●●●●
- Static shear resistance at 104 °F: ●●●●
- Static shear resistance at 158 °F: ●●●
- Fogging: ●●●

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

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