tesa® 4959

Double-sided non-woven tape

PRODUCT INFORMATION

Product Description

tesa® 4959 is a double-sided mounting and splicing tape, equipped with a non-woven backing and coated with an acrylic adhesive of high tack and good shear strength. It is UV and age-resistant as well as largely resistant to plasticizers.

Main Application

- Mounting signs, covers and nameplates
- Mounting door linings in the car industry
- Mounting plastic bags, dispatch bags, continuous stationery, posters.
- Splicing paper and film webs
- Process and lamination support in leather industry

Technical Data

Backing material	non-woven	Tensile strength	8 N/cm 4.6 lbs/in
Color	translucent	Type of liner	glassine
Total thickness	100 µm 3.9 mils	Color of liner	brown
Type of adhesive	tackified acrylic	Thickness of liner	71 µm 2.8 mils
Elongation at break	3 %		

Adhesion to

Steel (initial)	6.2 N/cm 56.6 oz/in	Steel (after 14 days)	7.5 N/cm 68.5 oz/in
ABS (initial)	5.3 N/cm 48.4 oz/in	ABS (after 14 days)	6.1 N/cm 55.7 oz/in
Aluminium (initial)	4.4 N/cm 40.2 oz/in	aluminium (after 14 days)	5.5 N/cm 50.2 oz/in
PC (initial)	5.4 N/cm 49.3 oz/in	PC (after 14 days)	5.8 N/cm 53 oz/in
PE (initial)	2.5 N/cm 22.8 oz/in	PE (after 14 days)	2.6 N/cm 23.8 oz/in
PET (initial)	4.6 N/cm 42 oz/in	PET (after 14 days)	5.1 N/cm 46.6 oz/in
PP (initial)	3.3 N/cm 30.1 oz/in	PP (after 14 days)	3.8 N/cm 34.7 oz/in
PS (initial)	5.4 N/cm 49.3 oz/in	PS (after 14 days)	5.8 N/cm 53 oz/in
PVC (initial)	5.0 N/cm 45.7 oz/in	PVC (after 14 days)	7.5 N/cm 68.5 oz/in

For latest information on this product please visit http://l.tesa.com/?ip=04959

tesa tape, inc.

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tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless 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. Therefore, 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 advise you.

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Properties

- Temperature resistance short term 200 °C / 392 °F
- Temperature resistance long term 80 °C / 176 °F
- Tack ++
- Ageing resistance (UV) ++
- Humidity resistance +
- Resistance to chemicals +
- Softener resistance o
- Static shear resistance at 73,4 °F +
- Static shear resistance at 104 °F o
- Tack ++

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

Additional Info

Liner variants:
PV0 brown and white glassine paper (71 µm)
PV6 red MOPP-film (80 µm)

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