

# product information

## tesa® 4959

### Double-sided non-woven tape

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
▪ Color	translucent	▪ Type of liner	4.6 lbs/in 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)	8.0 N/cm 73.1 oz/in	▪ Steel (after 14 days)	8.5 N/cm 77.7 oz/in
▪ ABS (initial)	7.5 N/cm 68.5 oz/in	▪ ABS (after 14 days)	9.0 N/cm 82.2 oz/in
▪ Aluminium (initial)	7.5 N/cm 68.5 oz/in	▪ aluminium (after 14 days)	8.0 N/cm 73.1 oz/in
▪ PC (initial)	9.5 N/cm 86.8 oz/in	▪ PC (after 14 days)	14.0 N/cm 127.9 oz/in
▪ PE (initial)	4.0 N/cm 36.5 oz/in	▪ PE (after 14 days)	4.5 N/cm 41.1 oz/in
▪ PET (initial)	7.0 N/cm 64 oz/in	▪ PET (after 14 days)	7.5 N/cm 68.5 oz/in
▪ PP (initial)	5.5 N/cm 50.2 oz/in	▪ PP (after 14 days)	6.5 N/cm 59.4 oz/in
▪ PS (initial)	8.5 N/cm 77.7 oz/in	▪ PS (after 14 days)	9.0 N/cm 82.2 oz/in
▪ PVC (initial)	6.5 N/cm 59.4 oz/in	▪ PVC (after 14 days)	14.0 N/cm 127.9 oz/in

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

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, express 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 support you.

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### Properties

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

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

### Additional Information

Liner variants:

PV0 brown and white glassine paper (71 µm)

PV6 red MOPP-film (80 µm)

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