

# 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
■ Color	translucent		4.6 lbs/in
■ Total thickness	100 µm	■ Type of liner	glassine
	3.9 mils	■ Color of liner	brown
■ Type of adhesive	tackified acrylic	■ Thickness of liner	71 µm
■ Elongation at break	3 %		2.8 mils

### Adhesion to

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

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

Page 1 of 2 / As of 05/06/15

#### tesa tape, inc.

5825 Carnegie Boulevard  
Charlotte, NC 28209  
Phone: 704 554 0707  
Toll Free: 800 426 2181  
Fax: 800 852 8831  
customercare@tesatape.com

#### Technical Tape México S.A. de C.V.

Av. Santa Fe No. 170  
German Centre P 6-3-3Col.  
Lomas de Santa Fe  
Mexico D.F. C.P. 01210  
Phone: +52 (55) 5292 6978  
Fax: +52 (55) 5292 6977

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.

### Properties

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

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

Page 2 of 2 / As of 05/06/15



1-800-773-0062  
[www.marianinc.com](http://www.marianinc.com)

#### tesa tape, inc.

5825 Carnegie Boulevard  
Charlotte, NC 28209  
Phone: 704 554 0707  
Toll Free: 800 426 2181  
Fax: 800 852 8831  
[customer-care@tesatape.com](mailto:customer-care@tesatape.com)

#### Technical Tape México S.A. de C.V.

Av. Santa Fe No. 170  
German Centre P 6-3-3Col.  
Lomas de Santa Fe  
Mexico D.F. C.P. 01210  
Phone: +52 (55) 5292 6978  
Fax: +52 (55) 5292 6977

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.