



tesa[®] 4959

Product Information



Double-sided non-woven tape

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 ageing resistant and largely resistant to plasticisers.

Sustainable Aspects



For more information: <https://www.tesa.com/product-sustainability>

Application Fields

- Mounting of signs, covers and nameplates
- Mounting of door linings in the car industry
- Mounting of plastic bags, despatch bags, continuous stationery, posters etc.
- Splicing of paper and film webs

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- | | | | |
|--------------------|-------------------|----------------------|-------------|
| • Backing material | non-woven | • Colour | translucent |
| • Type of adhesive | tackified acrylic | • Colour of liner | brown |
| • Type of liner | paper | • Thickness of liner | 71 µm |
| • Total thickness | 100 µm | | |

Properties/Performance Values

- | | | | |
|-----------------------------------|-----------|--|-----------|
| • Elongation at break | 2 % | • Static shear resistance at 40°C | medium |
| • Tensile strength | 8 N/cm | • Tack | very good |
| • Ageing resistance (UV) | very good | • Temperature resistance long term duration | 80 °C |
| • Chemical resistance | good | • Temperature resistance min. | -40 °C |
| • Humidity resistance | very good | • Temperature resistance short term duration | 200 °C |
| • Static shear resistance at 23°C | good | | |



tesa[®] 4959

Product Information

Adhesion to Values

• ABS (initial)	7.5 N/cm	• PET (after 14 days)	7.5 N/cm
• ABS (after 14 days)	9 N/cm	• PP (initial)	5.5 N/cm
• Aluminium (initial)	7.5 N/cm	• PP (after 14 days)	6.5 N/cm
• Aluminium (after 14 days)	8 N/cm	• PS (initial)	8.5 N/cm
• PC (initial)	9.5 N/cm	• PS (after 14 days)	9 N/cm
• PC (after 14 days)	14 N/cm	• PVC (initial)	6.5 N/cm
• PE (initial)	4 N/cm	• PVC (after 14 days)	14 N/cm
• PE (after 14 days)	4.5 N/cm	• Steel (initial)	8 N/cm
• PET (initial)	7 N/cm	• Steel (after 14 days)	8.5 N/cm

Additional Information

Liner variants:

PV0 brown and white glassine paper (71 µm)

PV6 red MOPP-film (80 µm)

Disclaimer

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.



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