tesa® 4959

product information

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 ageing resistant and largely resistant to plasticizers.

Main Application

- Mounting of signs, covers and nameplates
- Mounting of door linings in the car industry
- Mounting of plastic bags, dispatch 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.

Technical Data

• Backing material	non-woven	• Tensile strength	8 N/cm
• Color	translucent	• Type of liner	glassine
• Total thickness	100 µm	• Colour of liner	brown
• Type of adhesive	tackified acrylic	• Thickness of liner	71 µm
• 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

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Properties

• Temperature resistance short term	200 °C	• Resistance to chemicals	●●●
• Temperature resistance long term	80 °C	• Softener resistance	●●
• Tack	●●●●	• Static shear resistance at 23°C	●●●
• Ageing resistance (UV)	●●●●	• Static shear resistance at 40°C	●●
• Humidity resistance	●●●		

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

Additional Information

Liner variants:
PV0 brown glassine paper (71 µm/2.8 mils)
PV6 red MOPP-film (80 µm/3.2 mils)
PV36 double linered brown glassine paper

According to VDA278 analysis, tesa 4959 does not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labour and Welfare Ministry (Japan).

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.

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