

Product Information

50µm/2 mils double sided gray electrically conductive non-woven tape

tesa® 60382 is a gray double sided electrically conductive self-adhesive tape. It consists of an electrically conductive non-woven backing and an electrically conductive acrylic adhesive.

tesa® 60382 features especially:

- High bonding performance with very high peel adhesion level
- Excellent anti-repulsion performance
- Good electrical conductivity in XYZ-direction even at high temperatures and humidity
- Good conformability and adjustment on uneven surface

Main Application

- EMC applications
- FPC grounding
- Antenna grounding
- Electrostatic discharge applications

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	conductive non-woven	• Thickness of liner	23 µm 0.9 mils
• Color	gray	• Release of liner	easy
• Total thickness	50 µm 2 mils	• Temperature resistance short term	200 °C 392 °F
• Type of adhesive	conductive acrylic	• Contact resistance z-direction (initial)	0.06 Ohm / square inch
• Type of liner	PET	• Surface resistance x-y-direction	0.3 Ohm / square
• Color of liner	transparent		

Adhesion to

• Steel (initial)	8.0 N/cm 73.1 oz/in	• Steel (after 14 days)	10.0 N/cm 91.4 oz/in
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Properties

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|-----------------------------------|------|-----------------------------------|------|
| • Static shear resistance at 23°C | ●●●● | • Static shear resistance at 40°C | ●●●● |
|-----------------------------------|------|-----------------------------------|------|

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

Additional Information

- 50µm/2 mil tight release liner (outside of the roll)
- 23µm/1 mil easy release liner

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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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