



# tesa® 60685

## Product Information

500µm single sided gray electrically conductive foam tape

### Product Description

tesa® 60685 is a gray single sided electrically conductive self adhesive foam tape. It consists of a highly compressible electrically conductive foam backing and an electrically conductive adhesive.

tesa® 60685 features especially:

- \* Highly compressible with very low force
- \* Excellent recovery property
- \* Excellent conformability to surface variations and tolerances
- \* Good electrical conductivity over a wide working range in XYZ-direction even at high temperatures and humidity
- \* High bonding strength even at harsh environmental conditions
- \* Excellent shock absorbing and cushioning properties

### Application Fields

- Conductive gap filling
- \* EMI shielding and grounding applications
- \* 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.

### Product Construction

- |                    |                    |                      |                 |
|--------------------|--------------------|----------------------|-----------------|
| • Backing          | conductive foam    | • Color              | grey            |
| • Type of adhesive | conductive acrylic | • Color of liner     | white/blue logo |
| • Type of liner    | PE-coated paper    | • Thickness of liner | 120 µm          |
| • Total thickness  | 500 µm             |                      |                 |



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## Product Information

### Properties/Performance Values

- |  |                        |                                     |                  |
|--|------------------------|-------------------------------------|------------------|
| • Contact resistance z-direction (initial) | 0.03 Ohm / square inch | • Surface resistance x-y-direction  | 0.2 Ohm / square |
| • Release of liner                         | easy                   | • Temperature resistance short term | 200 °C           |

### Adhesion to Values

- |                         |        |
|-------------------------|--------|
| • Steel (after 14 days) | 8 N/cm |
|-------------------------|--------|

## 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=60685>