



# tesa® 58399

## Product Information



tesa® 58399 800 µm thermal conductive tape

### Product Description

tesa® 58399 800 µm thermal conductive tape

### Application Fields

Applied between heat source and heat sink to transfer the heat.

- Battery module cooling plate mounting
- Power electronics unit
- FPC and PCB

### 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 | none            | • Colour             | white  |
| • Type of adhesive | acrylic         | • Colour of liner    | white  |
| • Type of liner    | PE-coated paper | • Thickness of liner | 127 µm |
| • Total thickness  | 800 µm          |                      |        |

### Product Assortment

- |                     |                    |                         |     |
|---------------------|--------------------|-------------------------|-----|
| • Available Colours | white              | • Available thicknesses | 800 |
| • Available formats | Log roll, A4 sheet |                         |     |

### Properties/Performance Values

- |                       |                       |  |           |
|-----------------------|-----------------------|--|-----------|
| • Breakdown voltage   | 11 KV                 | • Temperature resistance (-40°C)             | very good |
| • Density             | 1.5 g/cm <sup>3</sup> | • Temperature resistance (125°C)             | very good |
| • Flame retardancy    | V2                    | • Temperature resistance short term duration | 150 °C    |
| • Hardness - Shore 00 | 75 STK                | • Thermal conductivity z-direction           | 0.6 W/mK  |
| • Release of liner    | easy                  |  |           |

### Adhesion to Values

- |                   |          |                           |          |
|-------------------|----------|---------------------------|----------|
| • Steel (initial) | 4.5 N/cm | • Steel (20min @ RT, 90°) | 4.5 N/cm |
|-------------------|----------|---------------------------|----------|



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## Product Information

### Storage Conditions

#### Storage Conditions

- Temperature: from +5 to +30 Degree Celsius
- Relative humidity: from 10% to 90%
- Precautions: protect for direct sun light, do not store outside
- Other storage advices: avoid mechanical impacts and short overheating

### Additional Information

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

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=58399>