

# tesa® 58394

## Product Information



tesa® 58394 125 µm thermal conductive tape

### Product Description

tesa® 58394 is a 125µm thermally 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 |

### Product Assortment

- |                         |        |                     |                    |
|-------------------------|--------|---------------------|--------------------|
| • Available thicknesses | 125 µm | • Available formats | Log roll, A4 sheet |
| • Available colors      | white  | • Available liners  | paper              |

### Properties/Performance Values

- |                       |                       |  |           |
|-----------------------|-----------------------|--|-----------|
| • Breakdown voltage   | 3.5 KV                | • Temperature resistance (-40°C)             | very good |
| • Density             | 1.8 g/cm <sup>3</sup> | • Temperature resistance (125°C)             | very good |
| • Flame retardancy    | V2                    | • Temperature resistance short term duration | 150 °C    |
| • Hardness - Shore 00 | 60 STK                | • Thermal conductivity z-direction           | 1.3 W/mK  |
| • Release of liner    | easy                  |  |           |

### Adhesion to Values

- |                   |        |                           |        |
|-------------------|--------|---------------------------|--------|
| • Steel (initial) | 2 N/cm | • Steel (20min @ RT, 90°) | 2 N/cm |
|-------------------|--------|---------------------------|--------|

### Additional Information

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

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## Product Information

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=58394>