

# tesa® 58395

## Product Information



tesa® 58395 250µm thermal conductive tape

## Product Description

tesa® 58395 is a 250µm thermal conductive tape.

## Product Features

- It provides certain thermal conductivity with its thermally conductive fillers when it is applied between heat source and heat sink to transfer the heat.
- It has very good bonding performance on polar substrate.

## 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          | none    | • Color          | white |
| • Type of adhesive | acrylic | • Color of liner | white |

## Product Assortment

- |                         |        |                     |                    |
|-------------------------|--------|---------------------|--------------------|
| • Available thicknesses | 250 µm | • Available formats | Log roll, A4 Sheet |
| • Available colors      | white  | • Available liners  | paper              |

## Properties/Performance Values

- |                       |                        |                                     |           |
|-----------------------|------------------------|-------------------------------------|-----------|
| • Breakdown voltage   | 4 KV                   | • Temperature resistance (-40°C)    | very good |
| • Density             | 1.73 g/cm <sup>3</sup> | • Temperature resistance (125°C)    | very good |
| • Flame retardancy    | V2                     | • Temperature resistance short term | 150 °C    |
| • Hardness - Shore 00 | 70 STK                 | • Thermal conductivity z-direction  | 1.3 W/mK  |
| • Release of liner    | easy                   |                                     |           |

## Adhesion to Values

- |                   |          |                           |          |
|-------------------|----------|---------------------------|----------|
| • Steel (initial) | 2.5 N/cm | • Steel (20min @ RT, 90°) | 2.5 N/cm |
|-------------------|----------|---------------------------|----------|

# tesa<sup>®</sup> 58395

## Product Information

### Additional Information

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

Thermal conductivity tested according to ISO 22007-2:2022.

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=58395>