



# tesa<sup>®</sup> 58395

## Product Information



tesa<sup>®</sup> 58395 250µm thermal conductive tape

### Product Description

tesa<sup>®</sup> 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 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  | 250 µm          |                      |        |

### Product Assortment

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

### Properties/Performance Values

- |                       |                        |  |                      |
|-----------------------|------------------------|--|----------------------|
| • Breakdown voltage   | 7.4 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 duration | 200 °C               |
| • Hardness - Shore 00 | 70 STK                 | • Thermal conductivity z-direction           | 0.8 W/mK             |
| • Release of liner    | easy                   | • Volume Resistance                          | 1000000000000 Ohm.cm |
| • Surface resistance  | 1000000000000 Ohm.cm   |  |                      |

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



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### Adhesion to Values

- Aluminium (20min @ RT, 90°)      2.6 N/cm
- Aluminium (after 3 days)      5.8 N/cm

## 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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