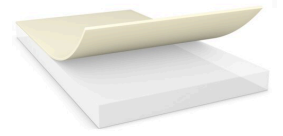




# tesa<sup>®</sup> 58399

## Product Information



tesa<sup>®</sup> 58399 800 µm/31.5 mils thermal conductive tape

## Product Description

tesa<sup>®</sup> 58399 800 µm/31.5 mils thermal conductive tape

## Product Features

- This product is equipped with special acrylic adhesive that provide certain thermal conductivity when it applies between heat source and heat sink.
- It has good performance on polar substrates.

## 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  |
| • Type of liner    | PE-coated paper     | • Thickness of liner | 127 µm |
| • Total thickness  | 800 µm<br>31.5 mils |                      | 5 mils |

## Product Assortment

- |                     |                    |                         |     |
|---------------------|--------------------|-------------------------|-----|
| • Available colors  | 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 | 150 °C<br>302 °F |
| • Hardness - Shore 00 | 75 STK                | • Thermal conductivity z-direction  | 0.6 W/mK         |
| • Release of liner    | easy                  |                                     |                  |

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



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## Product Information

### Adhesion to Values

- |                   |                        |                           |                        |
|-------------------|------------------------|---------------------------|------------------------|
| • Steel (initial) | 4.5 N/cm<br>41.1 oz/in | • Steel (20min @ RT, 90°) | 4.5 N/cm<br>41.1 oz/in |
|-------------------|------------------------|---------------------------|------------------------|

### 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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