



tesa® 58395

Product Information



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 |
| • 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 | 4 KV | • Temperature resistance (-40°C) | very good |
| • Density | 1.73 g/cm ³ | • Temperature resistance (125°C) | very good |
| • Flame retardancy | V2 | • Temperature resistance short term | 150 °C |
| • Hardness - Shore 00 | 70 STK | • Thermal conductivity z-direction | 0.6 W/mK |
| • Release of liner | easy | | |

Adhesion to Values

- | | | | |
|----------------------------|----------|---------------------------|----------|
| • Aluminium (after 3 days) | 5.8 N/cm | • Steel (20min @ RT, 90°) | 2.5 N/cm |
| • Steel (initial) | 2.5 N/cm | | |

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



tesa[®] 58395

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

tesa[®] products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa[®] product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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