



tesa[®] 58395

Product Information



tesa[®] 58395 250µm thermal conductive tape

Product Description

tesa[®] 58395 is a 250µm thermal 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 | 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 | | |



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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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