



tesa® 58327

Product Information



tesa® 58327

Product Description

tesa® 58327 is a 1500 µm thermally conductive pad. This acrylic based thermally conductive product provides high thermal conductivity with its thermally conductive fillers when it is applied between heat source and heat sink to transfer the heat. Besides that, it also has excellent electrical insulation property and flame retardancy.

Application Fields

Applied between heat source and heat sink to transfer the heat:

- EV battery between module and cooling system
- Power electronics between chips
- PCB and heat sink

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 | transparent |
| • Type of liner | PET film | • Thickness of liner | 75 µm |
| • Total thickness | 1500 µm | | |

Product Assortment

- | | | | |
|---------------------|--------------------|-------------------------|------|
| • Available Colours | white | • Available thicknesses | 1500 |
| • Available formats | Log roll, A4 sheet | | |

Properties/Performance Values

- | | | | |
|-----------------------|------------------------|--|-----------|
| • Breakdown voltage | 15 KV | • Temperature resistance (-40°C) | very good |
| • Density | 1.81 g/cm ³ | • Temperature resistance (125°C) | very good |
| • Flame retardancy | V0 | • Temperature resistance short term duration | 150 °C |
| • Hardness - Shore 00 | 85 STK | • Thermal conductivity z-direction | 2 W/mK |
| • Release of liner | easy | | |

Adhesion to Values

- | | | | |
|-------------------------------|-----------|---------------------------|-----------|
| • Aluminium (initial) | 0.63 N/cm | • Steel (initial) | 0.57 N/cm |
| • Aluminium (20min @ RT, 90°) | 0.63 N/cm | • Steel (20min @ RT, 90°) | 0.57 N/cm |

For latest information on this product please visit <http://l.tesa.com/?ip=58327>



tesa[®] 58327

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 as average figures 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=58327>