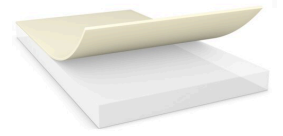




tesa[®] 58394

Product Information



tesa[®] 58394 125 µm thermal conductive tape

Product Description

tesa[®] 58394 is a 125µm thermally 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
- Electronic Control Units
- Display
- 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 | 125 µm | | |

Product Assortment

- | | | | |
|---------------------|--------------------|-------------------------|-----|
| • Available colors | white | • Available thicknesses | 125 |
| • Available formats | Log roll, A4 sheet | | |



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Product Information

Properties/Performance Values

• Breakdown voltage	4.1 KV	• Temperature resistance (-40°C)	very good
• Density	1.8 g/cm ³	• Temperature resistance (125°C)	very good
• Flame retardancy	V2	• Temperature resistance short term	200 °C
• Hardness - Shore 00	60 STK	• Thermal conductivity z-direction	0.7 W/mK
• Release of liner	easy	• Volume Resistance	1000000000000 Ohm.cm
• Surface resistance	1000000000000 Ohm.cm		

Adhesion to Values

• Aluminium (20min @ RT, 90°)	2.2 N/cm	• Aluminium (after 3 days)	4.8 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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