



tesa® 58399

Product Information



tesa® 58399 800 µm thermal conductive tape

Product Description

tesa® 58399 800 µm 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 material | none | • Colour | white |
| • Type of adhesive | acrylic | • Colour of liner | white |
| • Type of liner | PE-coated paper | • Thickness of liner | 127 µm |
| • Total thickness | 800 µm | | |

Product Assortment

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|---------------------|--------------------|-------------------------|-----|
| • Available colors | white | • Available thicknesses | 800 |
| • Available formats | Log roll, A4 sheet | | |



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Product Information

Properties/Performance Values

• Breakdown voltage	14 KV	• Surface resistance	10000000000000
• Density	1.5 g/cm ³		Ohm.cm
• Dielectric strength	18 kV/mm	• Temperature resistance (-40°C)	very good
• Flame retardancy	V2	• Temperature resistance (125°C)	very good
• Hardness - Shore 00	75 STK	• Temperature resistance short term duration	200 °C
• Release of liner	easy	• Thermal conductivity z-direction	0.8 W/mK
		• Volume Resistance	10000000000000
			Ohm.cm

Adhesion to Values

• Steel (initial)	5.9 N/cm	• Steel (20min @ RT, 90°)	5.9 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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