tesa® 58394

Product Information

125 µm thermal conductive tape

Product Description

tesa® 58394 is a 125um 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
- 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	125 µm		

Product Assortment

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

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		
• Release of liner	easy	• Thermal conductivity z-direction	0.6 W/mK
• Surface resistance	1000000000000 Ohm.cm	• Volume Resistance	1000000000000 Ohm.cm

For latest information on this product please visit http://l.tesa.com/?ip=58394

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Adhesion to Values

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

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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