



tesa® 58398

Product Information



tesa® 58398 400 µm/15.7 mils thermal conductive tape

Product Description

tesa® 58398 is a 400um/15.7 mils thermally conductive tape.

Product Features

- It 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	400 µm		5 mils
	15.7 mils		

Product Assortment

• Available colors	white	• Available thicknesses	400
• Available formats	Log roll, A4 sheet		

Properties/Performance Values

• Breakdown voltage	9.8 KV	• Temperature resistance (-40°C)	very good
• Density	1.65 g/cm ³	• Temperature resistance (125°C)	very good
• Flame retardancy	V2	• Temperature resistance short term	200 °C
• Hardness - Shore 00	74 STK		392 °F
• Release of liner	easy	• Thermal conductivity z-direction	0.8 W/mK
• Surface resistance	1000000000000	• Volume Resistance	1000000000000
	Ohm.cm		Ohm.cm

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Adhesion to Values

- | | | | |
|-------------------------------|------------------------|----------------------------|------------------------|
| • Aluminium (20min @ RT, 90°) | 2.8 N/cm
25.6 oz/in | • Aluminium (after 3 days) | 6.7 N/cm
61.2 oz/in |
|-------------------------------|------------------------|----------------------------|------------------------|

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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