

## FEATURES

- Wide operating temperature range
- Excellent thermal conductivity even at high temperatures
- Low in toxicity
- White colour enables treated parts to be easily identified
- Low evaporation weight loss
- Chemically inert (not chemically reactive)
- Shock absorbent
- Moisture repellent with long-term stability

## Metal Oxide Thermal Paste, 0.65W/m·K

RS Stock No.: 554-311



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

This thermal grease adhesive provides an excellent heat transfer between semiconductor devices and heat sinks. It is based on a silicone oil and therefore offers a wide operating temperature range and excellent stability at high temperatures. Improves electrical isolation when used in the normal way with insulating washers and reduce time lag in thermostats. This heat sink compound is recommended where the efficient and reliable thermal coupling of electrical and electronic components is required, or between any surface where thermal conductivity or heat dissipation is important.

## General Specifications

<b>Material</b>	Metal Oxide
<b>Chemical Component</b>	Powdered Metal Oxides, Silicone Oil
<b>Colour</b>	White
<b>Pack Size</b>	20mL
<b>Thermo-conductive Component</b>	Powdered metal oxides
<b>Application</b>	Overclocking and high performance CPUs, CPU die and its <u>integrated heat spreader</u> , <u>Solder</u>

## Electrical Specifications

<b>Specific Resistance</b>	1 x 10 <sup>14</sup> Ohms/cm
<b>Thermal Conductivity</b>	0.65W/m·K
<b>Dielectric Strength</b>	16 kV/mm

## Mechanical Specifications

<b>Penetration</b>	310
<b>Weight Loss after 96 hours @ 100°C</b>	<1%
<b>Density @ 20°C</b>	2.0 g/cm <sup>3</sup>

**Operation Environment Specifications**

<b>Maximum Operating Temperature</b>	+200°C
<b>Minimum Operating Temperature</b>	-40°C
<b>Operating Temperature Range</b>	-40°C to +100°C

**Approvals**

<b>Compliance/Certifications</b>	RoHS-2 Compliant (2011/65/EU)
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