

# EC360 EMERALD

## Thermal Paste Series

Designed as an all-round thermal paste with the best possible price-performance ratio, as well as a high thermal conductivity, the EC360® EMERALD series is the ideal thermal paste for gaming PCs and sophisticated industrial cooling systems. Nanometer-sized Aluminium oxide compounds, one of the most thermal conductive materials in the world, enable

ultimate stability and a high thermal conductivity of 9W/mK. Its good consistency makes it easy to spread and install. Ideal for use with high-performance CPUs and GPUs. It is long-lasting: low bleed, non-flowing and low evaporation mean it will stay in place and not dry out over time. At the same time, it is not electrically conductive, which allows a safe application.

## Material Composition

Type	Percentage
Aluminium Oxide	70%
Carbon	15%
Silicone	15%

## Types and Configurations

Type*	Available sizes*
Tube	4 g, 20 g

\* Custom configurations are available upon request, for worldwide industrial inquiries please contact us at: [sales@extremecool360.com](mailto:sales@extremecool360.com)

## Technical Properties

Properties	Unit	Value	Test method
Color	-	grey	Visual
Thermal Conductivity	W/mK	9.0	ROCT 8.140-82
Thermal Impedance	°C-in/W	0.14	ROCT 8.140-82
Specific Gravity	g / cm <sup>3</sup>	1.8	ASTM D 1475
Evaporation(200°C/24h)	%	0.001	FED STD 791
Bleed(200°C/24h)	%	0.07	FED STD 791
Dissipation Factor	100 Hz	0.005	ASTM D 150
Viscosity	cP	68	GB T-10247
Dielectric Constant	100 Hz	4.0	ASTM D 150
Usable Temperatures	°C	-55 - 220	EN 344

## Installation Recommendation

- Clean surfaces from dirt and other possible residue. If applicable, isopropyl 90% alcohol is recommended to ensure a clean surface.
- Apply the product, for example by applying a drop in the center of the chip.
- Install the heatsink. Ideally the drop should have spread now, covering the entire chip in a thin layer of thermal paste without any air bubbles.
- If the result is not satisfactory apply again in a different quantity until the desired result has been achieved.



**Disclaimer** Properties of the products may be revised due to changes in the manufacturing process. The property values in this document are not guaranteed. This product is made of silicone, this means silicone oil may exude from the product and low molecular siloxane may vaporize depending on operating conditions. This product is designed and manufactured for general industrial use only. Never use this product for medical, surgical purposes and/or other purposes. Never use this product for the purpose of implantation and/or other purposes by which a part of the product remains in the human body. Before using safety must be evaluated and verified by the purchaser. Contents described in the document do not guarantee performances and qualities required for the purchaser's specific purposes. Statements concerning possible or suggested uses made herein may not be relied upon.  
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