

TECHNICAL SPECIFICATION

Thermal interfaces for CPUs and GPUs

CA-2 4g

PERMIUM Performance Thermal Grease



Features:

- ◆ It has the properties of low oil separation, high and low temperature resistance, water resistance, ozone resistance, weathering resistance and so on.
- ◆ PERMIUM Thermal conductivity $13.8 \pm 0.1 \text{ w/m.k}$ and lower contact thermal resistance.
- ◆ It can effectively improve the heat dissipation performance of the device and strengthen the reliability of heat management.
- ◆ Meet RoHS standards and related environmental requirements, chemical and physical properties are stable.



Model No.	Color	Content	Thermal conductivity (w/m.k)	Thermal resistance ($^{\circ}\text{C} \cdot \text{cm}^2 / \text{W}$)	Density (g/cm)	Operating temperature	Evaporation (200 $^{\circ}\text{C}$, 24h)	Country of origin
CA-1 4g	Grey	4g	$8.0 \pm 0.1 \text{ w/m.k}$	0.035	$2.45 \pm 0.08 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.25\%$	China
CA-2 4g	Silver grey	4g	$13.8 \pm 0.1 \text{ w/m.k}$	0.006	$2.6 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.1\%$	China
CA-3 4g	Grey	4g	$14.8 \pm 0.1 \text{ w/m.k}$	0.015	$2.5 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.07\%$	China

TECHNICAL SPECIFICATION

Thermal interfaces for CPUs and GPUs

CA-2 1kg

PERMIUM Performance Thermal Grease



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CA-1 1kg	Grey	1kg	$8.0 \pm 0.1 \text{ w/m.k}$	0.035	$2.45 \pm 0.08 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.25\%$	China
CA-2 1kg	Silver grey	1kg	$13.8 \pm 0.1 \text{ w/m.k}$	0.006	$2.6 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.1\%$	China
CA-3 1kg	Grey	1kg	$14.8 \pm 0.1 \text{ w/m.k}$	0.015	$2.5 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.07\%$	China

TECHNICAL SPECIFICATION

Thermal interfaces for CPUs and GPUs

CA-2 20g

PERMIUM Performance Thermal Grease



Features:

- ◆ It has the properties of low oil separation, high and low temperature resistance, water resistance, ozone resistance, weathering resistance and so on.
- ◆ PERMIUM Thermal conductivity $13.8 \pm 0.1 \text{ w/m.k}$ and lower contact thermal resistance.
- ◆ It can effectively improve the heat dissipation performance of the device and strengthen the reliability of heat management.
- ◆ Meet RoHS standards and related environmental requirements, chemical and physical properties are stable.



Model No.	Color	Content	Thermal conductivity (w/m.k)	Thermal resistance ($^{\circ}\text{C} \cdot \text{cm}^2/\text{W}$)	Density (g/cm)	Operating temperature	Evaporation(200 $^{\circ}\text{C}$, 24h)	Country of origin
CA-1 20g	Grey	20g	$8.0 \pm 0.1 \text{ w/m.k}$	0.035	$2.45 \pm 0.08 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.25\%$	China
CA-2 20g	Silver grey	20g	$13.8 \pm 0.1 \text{ w/m.k}$	0.006	$2.6 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.1\%$	China
CA-3 20g	Grey	20g	$14.8 \pm 0.1 \text{ w/m.k}$	0.015	$2.5 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.07\%$	China

TECHNICAL SPECIFICATION

Thermal interfaces for CPUs and GPUs

CA-2 0.5g

PERMIUM Performance Thermal Grease



Features:

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- ◆ It can effectively improve the heat dissipation performance of the device and strengthen the reliability of heat management.
- ◆ Meet RoHS standards and related environmental requirements, chemical and physical properties are stable.



Model No.	Color	Content	Thermal conductivity (w/m.k)	Thermal resistance ($^{\circ}\text{C} \cdot \text{cm}^2/\text{W}$)	Density (g/cm)	Operating temperature	Evaporation(200 $^{\circ}\text{C}$, 24h)	Country of origin
CA-1 0.5g	Grey	0.5g	$8.0 \pm 0.1 \text{ w/m.k}$	0.035	$2.45 \pm 0.08 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.25\%$	China
CA-2 0.5g	Silver grey	0.5g	$13.8 \pm 0.1 \text{ w/m.k}$	0.006	$2.6 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.1\%$	China
CA-3 0.5g	Grey	0.5g	$14.8 \pm 0.1 \text{ w/m.k}$	0.015	$2.5 \pm 0.05 \text{ g/cm}$	-40 $^{\circ}\text{C}$ to +200 $^{\circ}\text{C}$	$\leq 0.07\%$	China