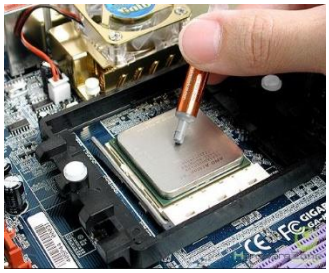
Graphene Thermal Grease: ATG-006

1. PRODUCT STRUCTURE



2. TECHNICAL DATA

Properties	Unit	Value	Measurement Method
Thermal Conductivity	W/m·K	6.0	ISO 22007-2
Density	g/cm^3	3.2	ASTM D792
Operating Temperature	℃	-40 to 150	IEC 60068-2-14
Thermal Resistance	°C·in²/W	≤0.017	ASTM D5470
Fireproof Performance	-	V-0	UL 94
Breakdown Voltage	kV/mm	>5.0	ASTM D149
Volume Resistivity	Ω·cm	10^{12}	ASTM D257
Viscosity	cps / Pa·s	510000	ASTM D2196 / GB/T10247-2008
Cone Penetration	0.1mm	266	GB/T269

All information and property values are based on tests that Global Graphene Group (G3) believes to be reliable. However, these values are provided for reference purposes only and do not constitute a guarantee by the manufacturer. Customers should conduct their own tests to determine the suitability of the products for their specific applications. Please contact our technical service department for further information regarding G3's products.

3. PROPERTIES & APPLICATIONS

Properties	Applications
▪ Thermal conductivity: 6.0 W/(m K) ▪ Use non-contains metallic filler particles, providing high insulation ▪ Low bleed-out ▪ Excellent long-term performance and reliability ▪ Excellent surface wettability for effective reduction of interfacial thermal resistance	▪ IT Equipment – Laptops, servers, computers, and storage modules ▪ Networking & Communication Equipment – Wireless modules and routers ▪ Consumer Electronics – Gaming systems and portable devices ▪ Industrial Automation & Control Equipment ▪ Power Supplies ▪ High-Power LED Lighting

4. CAUTION

Please storage product at room temperature (5 - 40℃) with low humidity.

5. NOTE

[1] Product expiration date：1 year.

[2] **Disclaimer:**

All technical information and data presented herein are based on our internal laboratory testing and are provided for reference purposes only. Such information and data do not constitute any legal basis, representation, warranty, or guarantee, whether express or implied. Prior to use, customers should conduct appropriate testing and verification under their own specific application conditions and requirements to confirm product suitability.

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