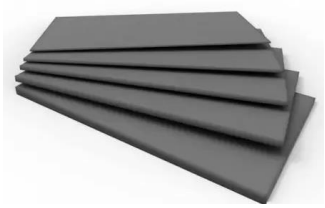
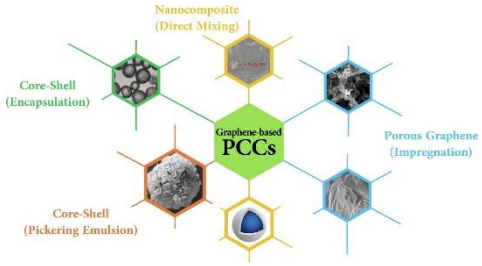
Graphene Phase Change Materials: APCM-004

1. PRODUCT STRUCTURE





2. TECHNICAL DATA

Properties	Unit	Value	Measurement Method
Thermal Conductivity	W/m·K	4.0	ISO 22007-2
Density	g/cm^3	3.2	ASTM D792
Thickness	mm	0.25~1.0	ASTM D374
Operating Temperature	℃	-40 to 125	IEC 60068-2-14
Thermal Resistance	℃·in^2/W	≤ 0.19	ASTM D5470
Fireproof Performance	-	V-0	UL 94
Breakdown Voltage	kV/mm	≧8.0	ASTM D149
Phase Transition Temperature	℃	50~60	ASTM D3418

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.

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3. PROPERTIES & APPLICATIONS

Properties	Applications
▪ This material offers high thermal conductivity, double-sided self-adhesive properties, low thermal resistance, and excellent electrical insulation performance under low compressive forces when used for electronic component assembly.	▪ Smart phone ▪ Notebook ▪ Ultrabook ▪ Tablet ▪ Other consumer electronics ▪ Optical communication equipment

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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