Flexible Graphite Sheet: AT500-13 (roll)

1. PRODUCT STRUCTURE

2. TECHNICAL DATA

Properties	Unit	Value	Measurement Method	Inspection Frequency
Thermal Conductivity (in-plane)	W/m·K	500± 100	Based on ASTM E1461	Outer, Middle, Inner & 9 point/pcs
Thickness	μm	13.7 ± 1.3	Based on ASTM D374	Outer, Middle, Inner & 9 point/pcs
Density	g/cm^3	≧1.5	ASTM D2638 Modified	Outer, Middle, Inner & 9 point/pcs
Thermal Diffusivity	mm^2/s	≧333	NETZSCH equipment	Outer, Middle, Inner & 9 point/pcs
Operating Temperature	℃	-40°C to 150°C	IEC 60068-2-14	Outer, Middle, Inner & 9 point/pcs
Electrical Conductivity	S/m	> 1.5 x 10^4	ASTM C611	Outer, Middle, Inner & 9 point/pcs
Specific Heat	J/g · K	0.7	(Reference value)	-

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
▪ Lightweight ▪ Mature, stable, and highly reliable products ▪ Excellent cost competitiveness ▪ Excellent die-cutting processability and environmentally friendly	▪ 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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