



Synthetic Graphite

6-70-0070-PA

FEATURE & BENEFITS

- Anisotropic and over all high thermal conductivity
- High thermally stability
- Light weight
- Flexible and conformable
- RoHS compliant



APPLICATIONS

- Smart phone
- Notebook
- Ultrabook
- Tablet
- Other consumer electronics
- Optical communication equipments

JONES synthetic graphite is an extremely light and flexible material synthesized from polymer precursor through high temperature heat treatment process. Derived from the crystal structure of graphite, JONES graphite features an anisotropic and overall high thermal conductance. It possesses unique functions such as eliminating hot spots, shielding components and reducing skin temperature of electronic devices. It is an ideal heat spreader for thermal management in limited space.

6-70-0070 is able to be supplied in rolls or die-cut form and can be laminated with plastics, foams and PSA.

TYPICAL PROPERTIES

	Properties	6-70-0070-PA	Test Method
Thermal	Thermal Conductivity In-plane (W/m-K)	≥ 1350	Thermal Wave
	Thermal Conductivity in Z Direction (W/m-K)	5~10	Thermal Wave
	Continuous Working Temperature (°C)	-55~400	-
Physical	Color	Dark Grey	Visual
	Thickness (mm)	0.070±0.007	ASTM D374
	Density (g/cm ³)	≥ 2.0	ASTM D2638 Modified
Electrical	Electrical Conductivity (S/m)	4X10 ⁵	ASTM C611
Mechanical	Repeat Bending@ 180°, R5 (cycle)	20000	-



PART NUMBER SYSTEM

6 - 70 - 0070 - YYYY - AB
① ② ③ ④ ⑤

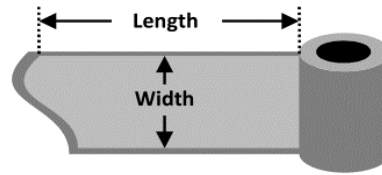
- ① **6**-Product Code
- ② **70** - Heat Spreader Graphite
- ③ **0070**- Graphite Thickness
- ④ **YYYY**-Dimension
- ⑤ **AB**- Thermal performance class
(PA+=Ultra high; PA=High; PB=Medium; PC=Low)



ORDERING INFORMATION

Continous Graphite Film

Part Number	Width (mm)	Length (m)
6-70-0070-PA	100	10



HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION
REQUIRED FOR SAFE USE IS NOT
INCLUDED IN THIS DOCUMENT.
BEFORE HANDLING, READ PRODUCT
SAFETY DATA SHEETS FOR SAFE USE,
PHYSICAL AND HEALTH HAZARD
INFORMATION. THE SAFETY DATA
SHEET IS AVAILABLE FROM YOUR
JONES SALES APPLICATION ENGINEER,
OR BY CALLING JONES TECH
CUSTOMERSERVICE.

LIMITED WARRANTY INFORMATION– PLEASE READ CAREFULLY

The information contained here in
is offered ingood faith and is
believed to be accurate. However,
because conditions and methods of
use of our products are beyond our
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be used in substitution for
customer’s tests to ensure that our
products are safe, effective, and
fully satisfactory for the intended
end use. Suggestions of use shall
not be taken as in ducements to
infringe any patent.

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design and manufacturing challenges
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High Performance Materials &
Thermal Management Solutions
expertise, application knowledge and
experience to work for you.

For more information
about our High performance materials
Soutions and capabilities, Please visit
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Disclaimer

- The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the issuing date of this TDS. When using our products, no matter what type of equipment they might be used for, be sure to make a written agreement on the specifications with us in advance. The design and specifications in this TDS are subject to change without prior notice.
- Do not use the products beyond the specifications described in this TDS. This TDS explains the typical performance of the products as individual component. Before use, check and evaluate their operations when installed in your products.
- The product provided in this TDS compliance with HSF.

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