Synthetic Graphite
6-70-0025-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.

6-70-0025 is able to be supplied in rolls or die-cut form and can be laminated with plastics, foams and PSA.

📇 TYPICAL PROPERTIES

Properties		6-70-0025-PA	Test Method
Thermal	Thermal Conductivity In-plane (W/m-K)	$\geq$1500	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)	0.025±0.005	ASTM D374
	Density (g/cm^3)	2.0±0.15	ASTM D2638 Modified
Electrical	Electrical Conductivity (S/m)	4X10^5	ASTM C611
Mechanial	Repeat Bending@ 180°, R5 (cycle)	20000	-

🏷️ PART NUMBER SYSTEM

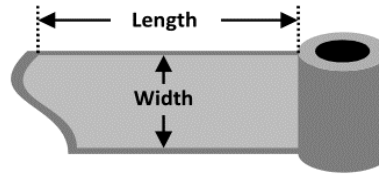## 6 - 70 - 0025 - YYYY - AB
  ①   ②   ③   ④   ⑤

① **6**-Graphite Code
② **70** - Synthetic Graphite
③ **0025**- 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)
6-70-0025-PA	130	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 control, this information should not 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.

HOW CAN WE HELP YOU TODAY?

Tell us about your performance, design and manufacturing challenges Let us put our
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 **jones-corp.com**.

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.