



Natural Graphite Material

6-20-0280

FEATURE & BENEFITS

- Anisotropic and medium to high thermal conductivity
- High thermal stability
- Lightweight
- Flexible and conformable
- RoHS compliant



APPLICATIONS

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

JONES 6-20-0280 heat spreading materials are natural graphite sheet with high thermal conductivity and high flexibility. It is manufactured entirely from natural graphite flakes with no fillers or binders. 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.

6-20 series is able to be supplied in sheets , rolls or die-cut form and can be laminated with plastics, foams and PSA.

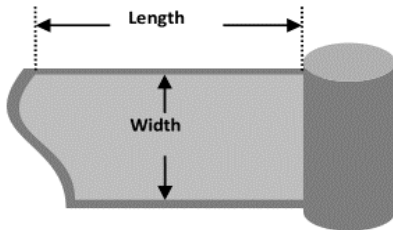
TYPICAL PROPERTIES

Properties		21-620-0280
Thermal	Thermal Conductivity In-plane (W/m-K)	≥ 350
	Continuous Working Temp (°C)	-40~400
Physical	Specific Heat @50°C (J/gk)	≥ 0.7
	Thickness (mm)	0.280±0.025
	Density (g/cm3)	≥ 1.5
Electrical	Electrical Conductivity (S/m)	1.5×10^4
Mechanical	Tensile Strength (Mpa)	≥ 1.5

PART NUMBER SYSTEM

6-20 - XXXX - YYYY

- ① **6-20**-Product
- ② **XXXX**-Thickness
- ③ **YYYY**-Dimension



ORDERING INFORMATION

Standard Size

Part Number	Width (mm)	Length (m)
6-20-0280	600	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 in good 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 inducements 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 Solutions 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.

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