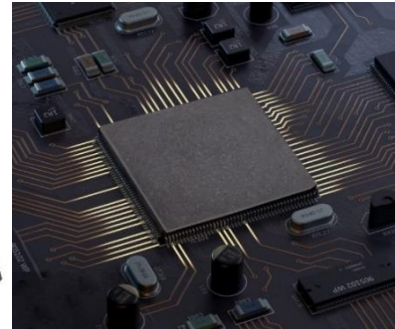




Thermal Pad 21-1500

FEATURES & BENEFITS

- High thermal conductivity:
15W/m-K in thickness direction
- Soft: Outstanding compressibility
- Carbon fiber aligning



APPLICATIONS

- Base station, IGBT module
- Optical transceiver
- Mass Storage Devices
- Power Electronics

JONES Thermal Pad 21-1500 is a soft and super high thermal conductive material. It is conformable to uneven and rough surfaces, where require excellent compressibility to the thermal gap filler. Its soft construction offers high conformability and imparts minimum pressure to electronic components.

JONES Thermal Pad 21-1500 is non-tacky pad and 21-1500A is single-sided tacky pad, both of which are easy for handling and application.

TYPICAL PROPERTIES

Properties		Thermal Pad 21-1500			Test Method	
Thermal	Thermal Conductivity (W/m-K)	21-1500(non-tacky)	15			ASTM D5470
		21-1500A (single-side tacky)	13			
	Thermal Resistance (°C.in ² /W)	Thickness(mm)	1.0	2.0	3.0	ASTM D5470
		Thermal resistance @10Psi pressure (°C.in ² /W)	0.84	1.39	1.87	
Operating Temperature Range(°C)		-55-150°C			JONES Test Method	
Physical	Color	Dark gray			Visual	
	Hardness(Shore 00)	50			ASTM D2240	
	Density (g/cm ³)	2.62			ASTM D792	
	Thickness Range (mm)	1.0~5.0			ASTM D374	
Electrical	Breakdown Voltage (KV AC/mm)	<0.1			ASTM D149	
	Volume Resistivity (Ohm-cm)	>10 ⁵			ASTM D257	
Regulatory	Flame Rating	V0			UL 94	

* The value of thermal conductivity is measured except contact thermal resistance.

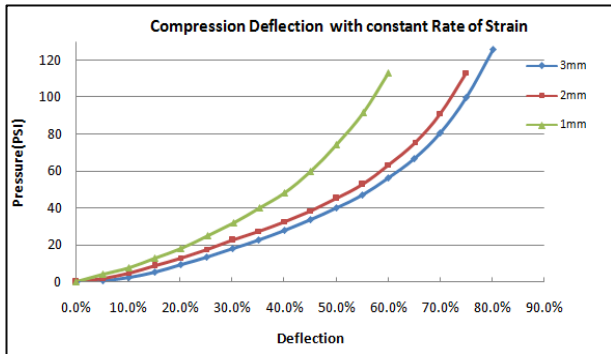


TEST RESULTS

21-1500 Gap Pad 1.0/2.0/3.0 mm Thick; 1 inch² test sample;

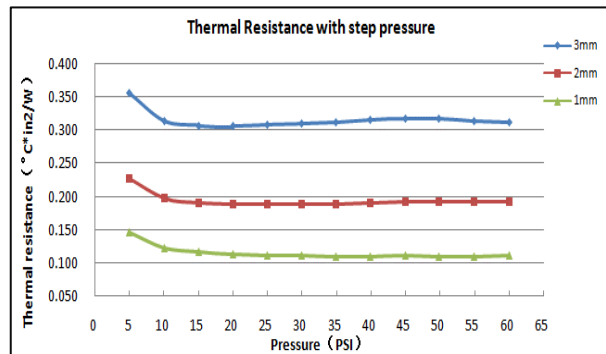
Compression Deflection

Rate of strain = 1.0 mm/min



Thermal Resistance

Pressure step = 5 psi



PART NUMBER SYSTEM

21 - 1XXX AB - YYY

① ② ③ ④

- ① 21-Thermal management material
- ② 1XXX-Thermal Performance
- ③ AB-Optional style
- ④ YYY-Thickness



ORDERING INFORMATION

Recommended Compression

10-30%, which can keep the thermal conductive structure.

Standard Size

2" X 2" (45mm X 45mm)

Customizable packaging

Storage Requirement

20°C to 25°C, 50%RH

12 months from date of manufacture.

* Unopened Original Package

HANDLING PRECAUTIONS

FOR SAFE HANDLING

INFORMATION OF THIS PRODUCT,
PLEASE CONTACT WITH YOUR
JONES REPRESENTATIVE FOR THE
SAFETY DATA SHEET (SDS).

LIMITED WARRANTY INFORMATION

The information provided in this Technical Data Sheet including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the data of this TDS. Jones Corp is not, therefore, liable for the suitability of any Jones Corp products for any specific or general uses. Jones Corp shall not be liable for incidental or consequential damages of any kind.

FOR MORE INFORMATION

About our high performance materials, solutions and capabilities, please visit our website:

<http://www.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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