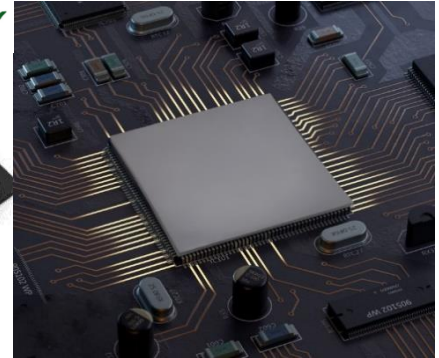
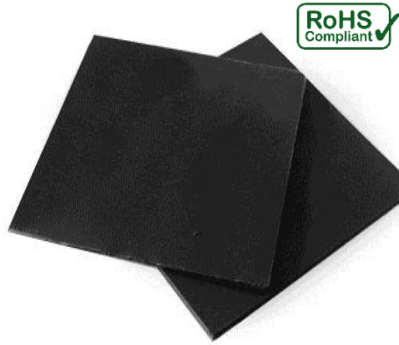




# Thermal Pad 21-217

## FEATURES & BENEFITS

- Thermal Conductivity :1.7W/m-K
- Cost-Effective Solution
- Higher Breakdown Voltage
- Ultra Thin (fiber-enhanced)
- Easy For Installation



## APPLICATIONS

- Memory Modules
- Mass Storage Devices
- Automotive Electronics
- Telecommunication Hardware
- Radios
- Power Electronics
- Set-Top Boxes

JONES Thermal Pad 21-217 is a soft and conformable material. It is designed to provide good thermal performance and adhesion or natural tack. It demonstrates highly conformable to uneven and rough surfaces with minimal thermal gap filler compression.

JONES Thermal Pad 21-217 is available in custom die-cut parts, sheets and rolls, which makes it easy handling and simplified application. It's also available in a variety of thicknesses and hardness.

## TYPICAL PROPERTIES

| Properties        |                                  | Thermal Pad 21-217 | Test Method       |
|-------------------|----------------------------------|--------------------|-------------------|
| <b>Thermal</b>    | Thermal Conductivity (W/m-K)     | 1.7                | ASTM D5470        |
|                   | Operating Temperature Range (°C) | -55~200            | JONES Test Method |
| <b>Physical</b>   | Color                            | Black              | Visual            |
|                   | Composition                      | Ceramic & Silicone | -                 |
|                   | Density (g/cm <sup>3</sup> )     | 2.6                | ASTM D792         |
|                   | Thickness Range (mm)             | 0.5~5.0            | ASTM D374         |
|                   | Thickness Tolerance(mm)> 1mm     | ±10%               | -                 |
|                   | Thickness Tolerance(mm)≤ 1mm     | ±0.1mm             | -                 |
|                   | Hardness (Shore 00)              | 40                 | ASTM D2240        |
| <b>Electrical</b> | Breakdown Voltage (KV AC/mm)     | >5                 | ASTM D149         |
|                   | Volume Resistivity (Ohm-cm)      | 10 <sup>13</sup>   | ASTM D257         |
|                   | Dielectric Constant@1MHz         | 3.3                | ASTM D150         |
| <b>Regulatory</b> | Flame Rating                     | V0                 | UL 94             |

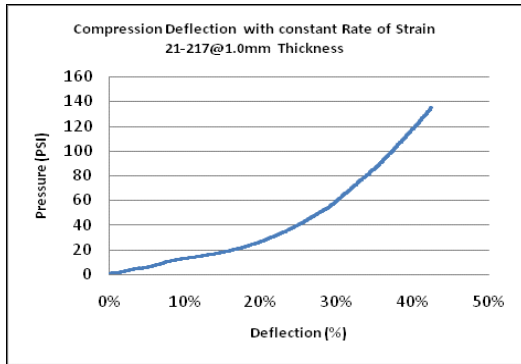


## TEST RESULTS

21-217 Gap Pad 1.0 mm Thick; 1 inch<sup>2</sup> test sample;

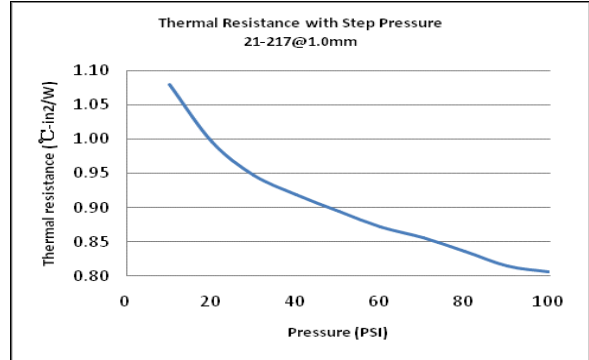
### Compression Deflection

Rate of strain = 1.0 mm/min



### Thermal Resistance

Pressure step = 10 psi



## PART NUMBER SYSTEM

**21 - X XX AB - YYY**

① ② ③ ④ ⑤

- ① 21-Thermal management material
- ② X-Hardness
- ③ XX-Thermal Conductivity
- ④ AB-Optional style
- ④ YYY-Dimension



## ORDERING INFORMATION

### Recommended Compression

Compression range 20%~30%

### Standard Size

16" X 8" (406mm X 203mm)

Customizable packaging

### Storage Requirement

0°C to 35°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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