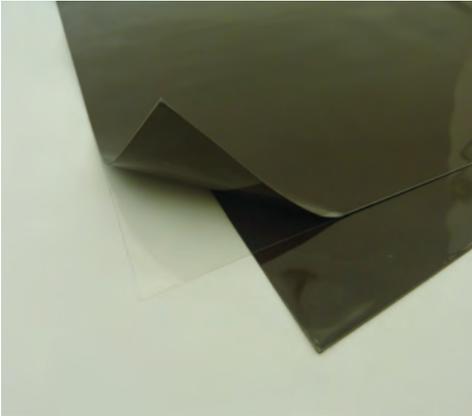


# Change Gel Thermal Pad and EMC Dual Function CGE Series

Silicone-Free

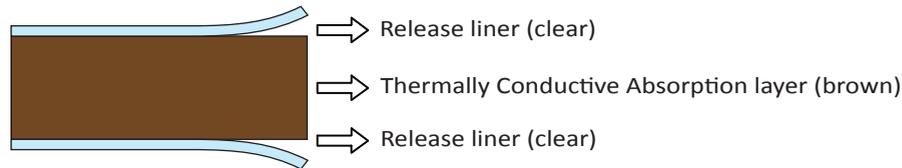


Thin + Dual function sheet for EMC and thermal management

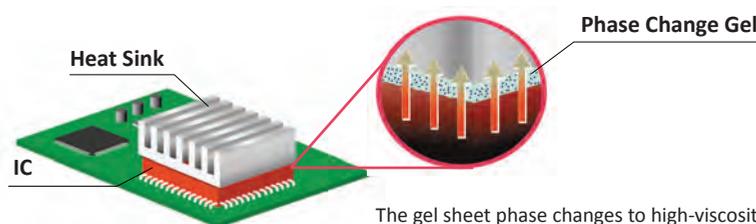


- Multifunctional sheet for EMC and thermal management
- Helps with close contact to heating elements
- Very thin : 0.25mm; even thinner after compression
- Phase change at 50°C to secure close contact with heating elements

## ■ Cross-section view



## ■ Phase Change



The gel sheet phase changes to high-viscosity liquid from the heat of the IC and fills air gap, effectively transferring the heat to heat sink to lower the temperature and reduce EMC noise

## ■ Properties

Property	Test Method	CGE-0.25
Thickness (mm)	—	0.25 ±0.025
Standard sheet size (mm)	—	195 x 195 ±2.5
Phase Change Temperature (°C)	—	50
Volume Resistivity (Ω•cm)	JIS K 6911	1.0 x 10 <sup>13</sup>
Thermal Conductivity (W/m•K)	JIS R 2616 (Hot-wire method)	1.5
Permeability (100MHz)	—	7
Re-workability	—	No
Operating Temperature (°C)	—	-20 ~ 100
Color	—	Brown



All statements, specifications, properties, technical information, and recommendations herein are based on tests; however, the accuracy and completeness are not guaranteed and are subject to change without notice due to product improvement and specification change. This statement is made in lieu of all warranties, expressed or implied, including the implied warranties of marketability, and fitness for purpose. KITAGAWA INDUSTRIES America, Inc. obligation under this warranty shall be limited to replacement of product that proves to be defective. Prior to use, the user shall determine the suitability of the product for its intended use, and the user assumes all risk and liability whatsoever in connection therewith. KITAGAWA INDUSTRIES America, Inc. shall have no liability for any injury, loss, or damage arising out of the use of or the inability to use the products. No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

### Please request for detailed product specification data prior to purchase

Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.