

NEW!

Silicone-Free



Thermal Pad – CPSH Series

Prior to using KGS parts, please read our "Product Important Notice" at <http://kgs-ind.com/products/product-important-notice/>

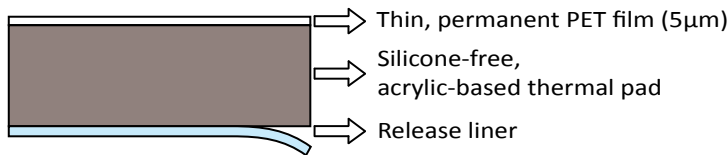


Soft, 5W/m·K silicone-free thermal pad for high operating temperature applications

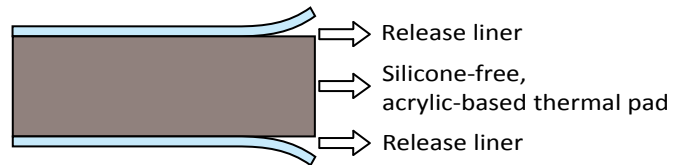
- Soft (ASKER C 32) silicone-free thermal pad
- Compliant thermal pad helps to crowd out air bubbles to reduce thermal resistance
- No siloxane outgassing or oil bleed
- Available in one side thin, permanent PET film and one side naturally tacky; and both sides naturally tacky
- Custom profile available upon request
- Operating temperature: -40 ~ 125 °C

■ Cross-section view

CPSH-F series: one side PET, one side naturally tacky



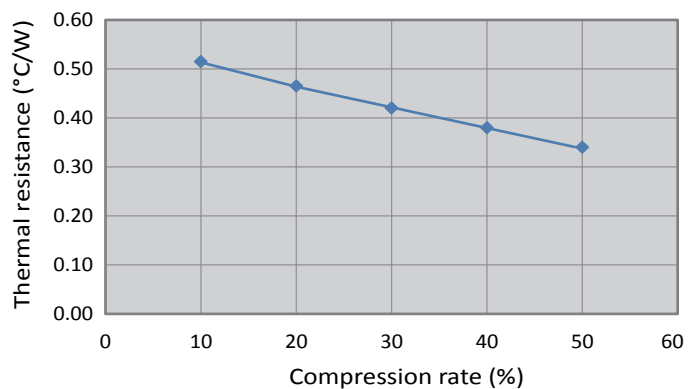
CPSH series: both sides naturally tacky



■ Properties

Property	Test Method	CPSH
Thickness (mm)	—	1.0 ,1.5 ,2.0 ,2.5 3.0 , 3.5 , 4.0
Standard Sheet Size (mm)	—	210 x 510
Thermal Conductivity (W/m•K)	JIS R 2616 Hot-wire method	5.0
	ISO 22007-2 Hot-disc method	3.7
Hardness (ASKER C)	JIS K 7312	32
Volume Resistivity (Ω • cm)	JIS K 6911	1.0 X 10 ¹¹
Flame Retardancy	UL94	V-0 Equivalent
Operating Temperature (°C)	—	-40 ~ 125
Color	—	Light Green

Compression Rate vs. Thermal Resistance



<Measurement condition>
 Test method: ASTM D 5470
 Specimen size: 25mm (t=2mm)
 Applied voltage: 20W

Please request for detailed product specification data prior to purchase



KITAGAWA INDUSTRIES America, Inc.
 2325 Paragon Drive, Suite 10, San Jose, CA 95131
 Tel: (408) 971-2055 Fax: (408) 971-6033
 www.kgs-ind.com sales@kgs-ind.com

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.

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.