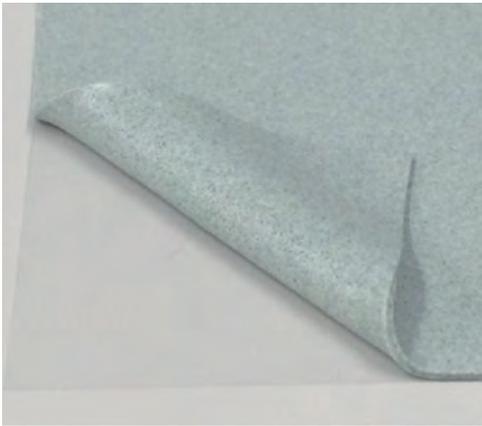


# Thermal Pad CPSH Series

**NEW**

**Silicone-Free**



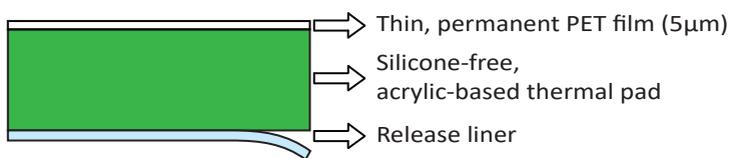
Soft, 5W/m·K silicone-free thermal pad for high operating temperature applications



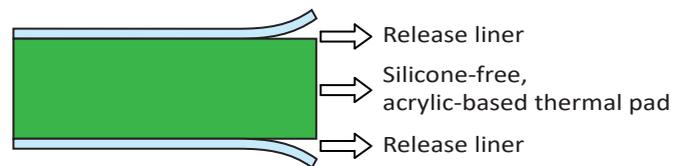
- Soft (ASKER C 32) silicone-free thermal pad
- Compliant thermal pad helps to crowd out air bubbles to reduce thermal resistance
- No siloxane outgassing or oil bleed
- Available in one side thin, permanent PET film and one side naturally tacky; and both sides naturally tacky
- Custom profile available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

## ■ Cross-section view

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



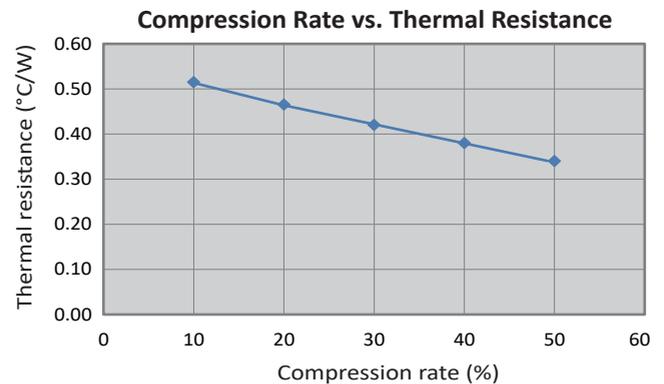
**CPSH series: both sides naturally tacky**



## ■ Properties

Part Number	CPSH-F	CPSH
Thickness (mm)	0.5,1.0,1.5,2.0,2.5,3.0,3.5,4.0	1.0,1.5,2.0,2.5,3.0,3.5,4.0
Standard sheet size (mm)	210 x 510	210 x 510
Thermal Conductivity (W/m·K)	5.0	5.0
	<small>*JIS R 2616 Hot-wire method</small>	<small>*ISO22007-2 Hot-disc method</small>
	3.7	3.7
Hardness (ASKER C) <small>*JIS K 7312</small>	32*	32
Hardness (Shore 00) <small>*ASTM D 2240</small>	64	64
Volume Resistivity (Ω · cm) <small>*JIS K 6911</small>	1.0 X 10 <sup>11</sup>	1.0 X 10 <sup>11</sup>
Flame Resistance <small>*UL94</small>	V-0	V-0 equivalent
Operating Temperature (°C)	-40 ~ 125	-40 ~ 125
Color	Light Green	Light Green
Specific Gravity <small>*JIS Z 8807</small>	2.89	2.89
Tensile Strength (MPa) <small>*JIS K 6251</small>	0.37	0.21
Elongation Rate (%) <small>*JIS K 6251</small>	28	55
Breakdown Voltage (kV/mm) <small>*JIS C 2110-1</small>	2.2	2.0
Withstanding Voltage (kV/mm) <small>*JIS C 2110-1</small>	1.4	1.2
Dielectric Constant (1 MHz) <small>*Company Standard</small>	18.2	18.8
Loss Tangent (1 MHz) <small>*Company Standard</small>	0.01	0.01

\*TEST METHOD \*0.5F: ASKER C 55



<Measurement condition>  
Test method: ASTM D5470  
Specimen size: □25mm (t=2mm)  
Applied voltage: 20W

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**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.