

NEW!

Thermal Pad CPVS Series

RoHS
Compliant

Silicone-Free

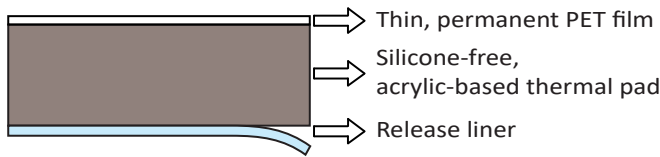


Soft (ASKER C 18) silicone-free thermal pad

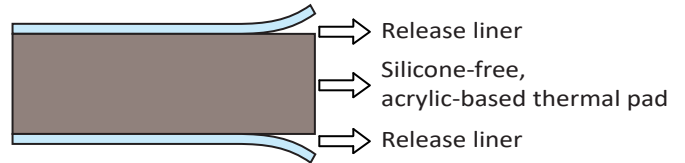
- Excellent stress relaxation property reduces the stress on the elements after mounting.
- Silicone-free material – no siloxane outgassing and reduced oil bleed
- One side self-tacky and both sides self-tacky are available.
- Suitable for vibration control as well.
- Highly conformable, low thermal resistance.

■ Cross-section view

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



CPVS series: both sides naturally tacky

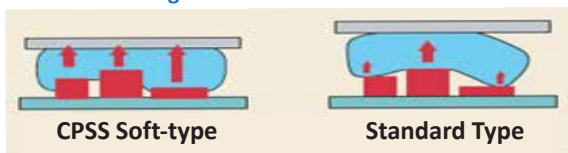


■ Properties

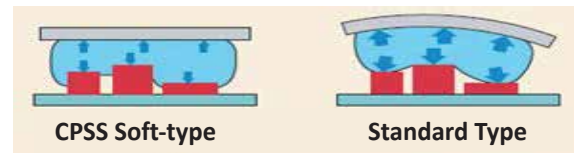
Property	Test Method	CPVS-F	CPVS
Thickness (mm)	—	0.3, 0.5, 1.0, 1.5, 2.0, 2.5	1.0, 1.5, 2.0, 2.5
Standard Sheet Size (mm)	—	210 x 510	210 x 510
Thermal Conductivity (W/m•K)	JIS R 2616 (hot wire method)	2.0	2.0
Specific Gravity	JIS Z 8807	1.94	1.94
Hardness (ASKER C)	JIS K 7312	18	18
Tensile Strength (MPa)	JIS K 6251	0.32	0.16
Elongation (mm)	JIS K 6251	5.38	177.5
Volume Resistivity ($\Omega \cdot \text{cm}$)	JIS K 6911 (compliant)	5.3×10^{11}	5.3×10^{11}
Breakdown Voltage (kV/mm)	JIS C 2110-1 (compliant)	4.3	3.9
Withstanding Voltage (kV/mm)	JIS C 2110-1 (compliant)	2.8	2.2
Dielectric Constant (1 MHz)	Company Standard	12.1	14.4
Loss Tangent (1 MHz)	Company Standard	0.08	0.07
Flame Retardant	UL94	V-2 (t0.5 - 2mm)	V-2 (t0.5 - 2mm)
Loss Factor	Measured by FWHM method	0.9	0.9
Operating Temperature ($^{\circ}\text{C}$)	—	-40 ~ 100	-40 ~ 100
Color	—	Green	Green

■ Features

Soft type thermal pads provide low thermal resistance, while conforming well to uneven surfaces.



Soft type thermal pads more evenly distribute pressure.



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.

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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.

Thermal Pad_CPVS Series_REV0_11102017