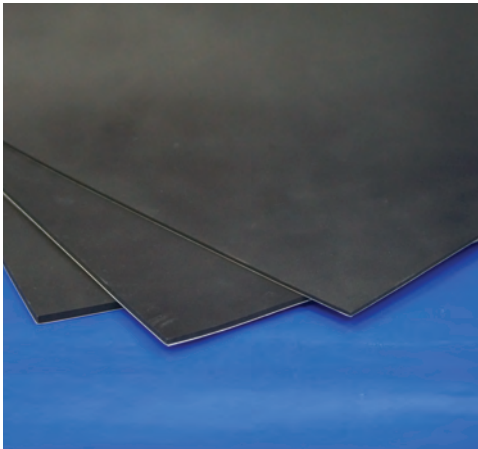


Thermal Pad and Vibration Damper CPAG Series

NEW

Silicone-Free



Silicone-Free, heat-conductive vibration damping sheet



- Dual function thermal conductive and vibration damping material
- Suitable for applications with both thermal and vibration/shock issues
- Excellent vibration damping loss factor of 1.17
- Silicone-free material, so there is no siloxane outgassing
- Custom profiles and pressure sensitive adhesive tape can be applied upon request

■ Properties

Property	CPAG	
Thickness (mm)	1.0, 2.0, 3.0, 4.0, 5.0	
Standard Sheet Size (mm)	350 x 350 no PSA, 340 x 340 with PSA	
Thermal Conductivity (W/m·K)	0.8	
Hardness (Durometer Type A*)	A 64	
Volume Resistivity (Ω·cm)	5.54 x 10 ¹¹	
Flame Retardant (UL94)	V-1 Equivalent: 2 mm thickness V-0 Equivalent: 3 ~ 5 mm thickness	
Tensile Strength (kgf/cm ²)	23.7	
Elongation (%)	417	
Loss Factor	1.17	
Specific Gravity	1.67	
Tear Strength (kgf/cm ²)	19.3	
Hardness Variation (JIS A)	+6	Heat Aging Test 120°C x 70h
Tensile Strength Change Rate (%)	+25	
Elongation Change Rate (%)	-25	
Operating Temperature (°C)	-10 ~ 100	
Color	Gray	

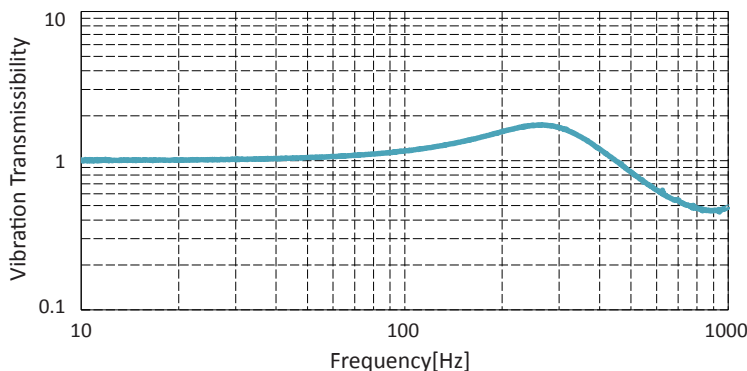
*In conformity to JIS K 6253

■ Cross-section view



⇒ Thermally conductive layer with acrylic material

Vibration Transmission



<Measurement condition>

Specimen size: 5mm x 5mm (t=3mm)

Load: 400g

Support point number: Four point mounting

Vibration Acceleration: 0.4G



Tel: 1-855-EMC-PART (1-855-362-7278) Email: sales@kgs-ind.com

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.