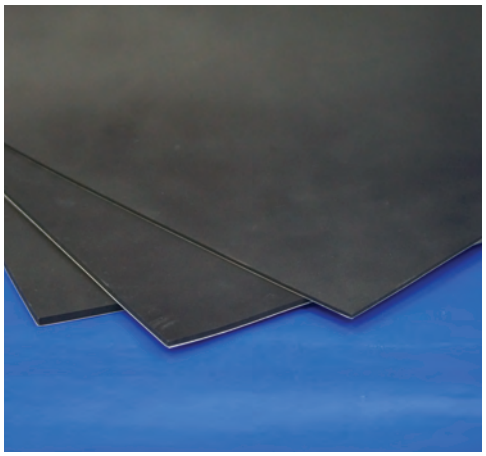
Thermal Pad and Vibration Damper
CPAG Series

NEW

Silicone-Free



Silicone-Free, heat-conductive vibration damping sheet

RoHS Compliant

- 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

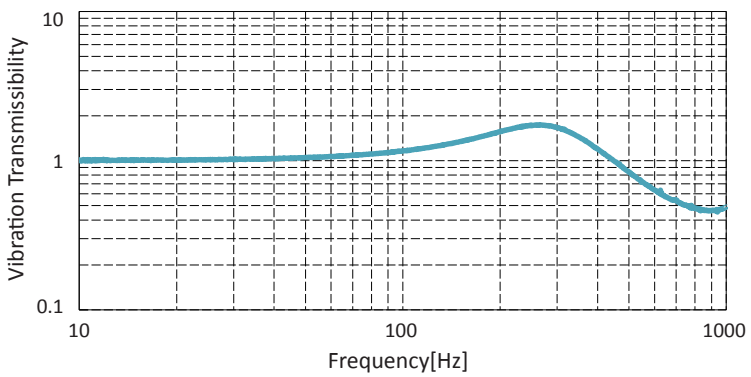
Property	CPAG	
Thickness (mm)	1.0, 2.0, 3.0, 4.0, 5.0	
Standard Sheet Size (mm)	350 x 350 no PSA, 340 x 340 with PSA	
Thermal Conductivity (W/m·K)	0.8	
Hardness (Durometer Type A*)	A 64	
Volume Resistivity (Ω·cm)	5.54×10^{11}	
Flame Retardant (UL94)	V-1 Equivalent: 2 mm thickness V-0 Equivalent: 3 ~ 5 mm thickness	
Tensile Strength (kgf/cm²)	23.7	
Elongation (%)	417	
Loss Factor	1.17	
Specific Gravity	1.67	
Tear Strength (kgf/cm²)	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

KGS America
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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.