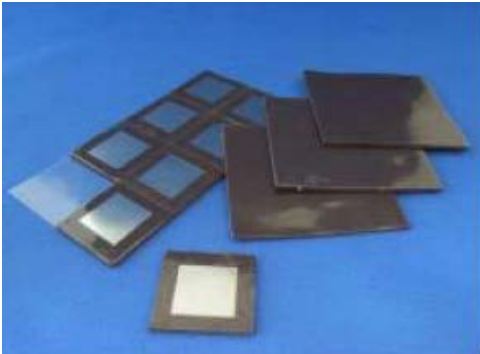


THERMAL & EMI DUAL FUNCTION SHEET

EMPV2 Series

Silicone-Free

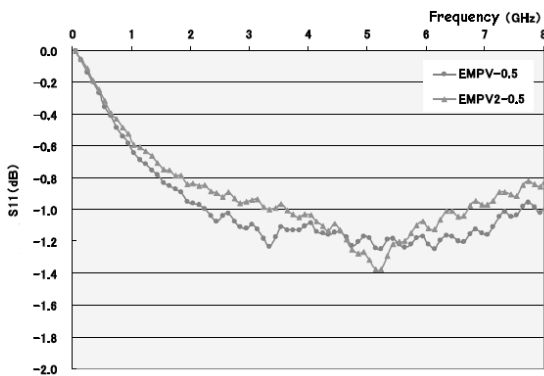


Thermal Interface Material with EMI Absorption

- Dual function of thermal transfer and EMI noise reduction
- EMPV2 is a silicone-free material—eliminates siloxane concerns
- The overall low hardness of the product makes it suited for cutting and applying to uneven surfaces

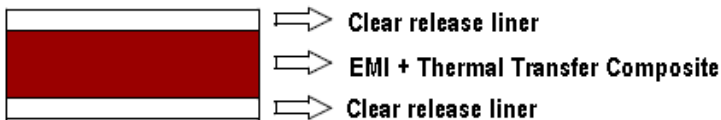
Specifications

EMI Performance (S11, Return Loss)



Product Part Number	EMPV2
Standard Sheet Size (mm)	210 x 510 ±2.5
Thickness (mm)	0.5 ±0.05, 1 ±0.1, 2 ±0.2
Thermal Conductivity (W/m.K)	1.8
Hardness (ASKER C)	60
Volume Resistivity ($\Omega \cdot \text{cm}$)	5×10^{13}
Magnetic Permeability (10 MHz)	7
Color	Burgundy
Flame Retardant	< 2.0mm = UL94 HB ≥ 2.0mm = UL94 V-0
Material	Soft Ferrite +Acrylic
Operating Temperature	-20~+100°C

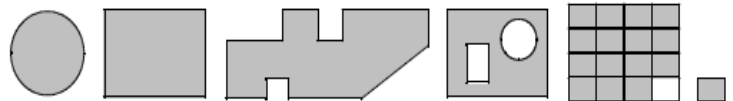
Cross-Section View



Other processing

Custom Processing According to your application needs

- Compounding, Laminating, Assembling) available.
- Die-cut: Circle, Rectangular, Special Shapes, Hole Drilling, Half Cutting, etc.



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The specifications and properties regarding performance above are not guaranteed, and are subject to change without notice due to product improvement and specification change. While our absorbers are electrically non-conductive, usage directly on the PC Board near the power should be carefully checked. Intermark (USA) 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. The products are designed for EMI noise reduction for electronics. This is not recommended to use for applications involving human life or extremely high accuracy. Prior to your usage of the products in production, please verify their performance of EMI noise absorption or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note that when the absorber products are cut, bent or pulled, there might be some possibility of creating cracks. For storage of the products keep them in cool and dry rooms at ambient temperature avoiding high temperatures, humidity, and direct sunlight. Keep in a cool, dry, well ventilated place.