

NEW!

Thermal Pads IMTH Series

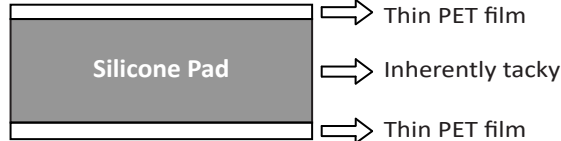
RoHS
Compliant

Halogen Free
HF



Silicone base thermal pads

■ Cross-section view



■ Specifications

Property		STANDARD		HIGH PERFORMANCE		Test Method
		IMTH15	IMTH30*	IMTH50	IMTH70	
Material	Binder	Silicone	Silicone	Silicone	Silicone	—
	Filler	Alumina	Alumina	Alumina	Alumina	—
	Top Release Liner	PET	PET	PET	PET	—
	Bottom Release Liner	PET	PET	PET	PET	—
Mechanical Properties	Thickness (mm)	0.3 ~ 25	0.3 ~ 10	0.5 ~ 10	0.5 ~ 10	—
	Standard Sheet Size (mm)	200 x 300	200 x 300	200 x 300	200 x 300	—
	Top Release Liner Color	Clear	Clear	Clear	Clear	—
	Silicone pad Color	Gray	Gray	Gray	Gray	—
	Bottom Release Liner Color	Clear	Clear	Clear	Clear	—
	Hardness (shore 00)	55 ± 10**	60 ± 10	65 ± 10	65 ± 10	ASTM D2240
	Specific Gravity	2.5	2.9	3.0	3.2	ASTM D792
	Continuous Usage Temp (°C)	-40 ~ 200	-40 ~ 200	-40 ~ 200	-40 ~ 200	—
Electrical Properties	Dielectric Breakdown (KVac/mm)	10	6	6	6	ASTM D149
	Volume Resistivity (Ω/cm)	10 ¹³	10 ¹²	10 ¹²	10 ¹²	ASTM D257
Thermal Conductivity (W/m•K)		1.5	3.0	5.0	7.0	ASTM E1530
Flame Retardant		UL94V0 Equivalent	UL94V0 Equivalent	UL94V0 Equivalent	UL94V0 Equivalent	UL94

*IMTH30S soft version available: shore 40 ± 10 / with fiberglass available

**With fiberglass hardness 60 ± 10 (shore 00)



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.

KGS KITAGAWA INDUSTRIES America, Inc.

2325 Paragon Drive, Suite 10, San Jose, CA 95131

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

www.kgs-ind.com

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_IMTH Series_REV0_11072017