

Thermal Pads

IMTH Series

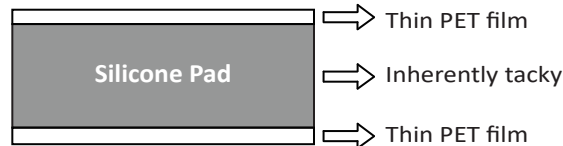
NEW

HF
Halogen Free



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
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)



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Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.