

TG-A2200

Ultra Soft Thermal Pad

Version 4.251119

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TG-A2200 is an economical, medium-range performance silicone gap pad with a thermal conductivity of 2.2 W/mk. With one side sticky, TG-A2200 is highly conformable and can be supplied in either standard sheets or custom die-cut parts. TG-A2200 is formulated to wet most surfaces and provide low thermal impedance for the most demanding of applications.

Features

- One side is non-sticky to aid easy to assemble
- Ultra soft and good compressibility
- Good insulation

Applications

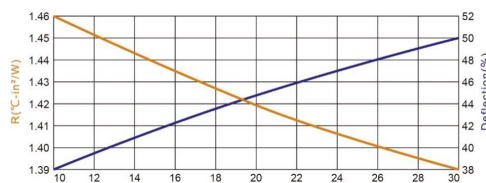
Best for high power applications
 Electronic components: IC, CPU, MOS, LED, Motherboard, Power supply, Heat Sink
 LCD TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, DVD Applications, Hand-set applications, etc.

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	TG-A2200	Unit	Tolerance	Test Method
Colour	Grey	-	-	Visual
Thickness (Available thickness range)	0.5 - 2.0	mm	-	ASTM D374
	0.0197 - 0.0787	inch	-	ASTM D374
Thermal Conductivity	2.2	W/mK	±0.45	ASTM D5470
Flammability Rating	V-1	-	-	UL 94
Dielectric Breakdown Voltage	5	kV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.7	g/cm ³	-	ASTM D792
Working Temperature	-40 to +180	°C	-	-
Volume Resistance	3x10 ¹²	Ohm-m	-	ASTM D257
Elongation	55	%	-	ASTM D412
Standard Shape	Sheets	-	-	-
Hardness	15	Shore 00	±5	ASTM D2240

Thermal Impedance vs Pressure vs Deflection



Pressure (psi)	R (°C-in ² /W)	Deflection (%)
10	1.460	38
30	1.390	50

Testing sample thickness: 1.0mm - In "Thermal resistance vs. Pressure vs Deflection" chart, TG-A2200 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG-A2200 provides good compliance and softness.

* Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

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