

# TG-AH25

## Ultra-High Performance Thermal Pad

REACH Compliant    RoHS Compliant    UL Comparable

### Features

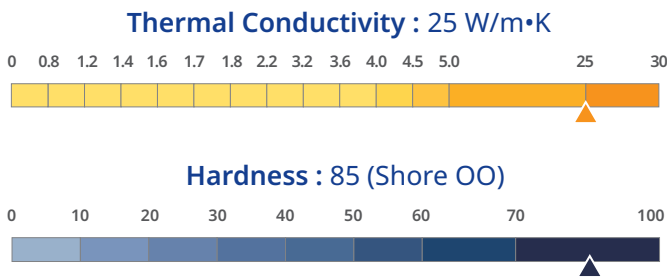
- Ultra-High thermal conductivity
- Low thermal impedance
- High compressibility
- Good insulation

### Application:

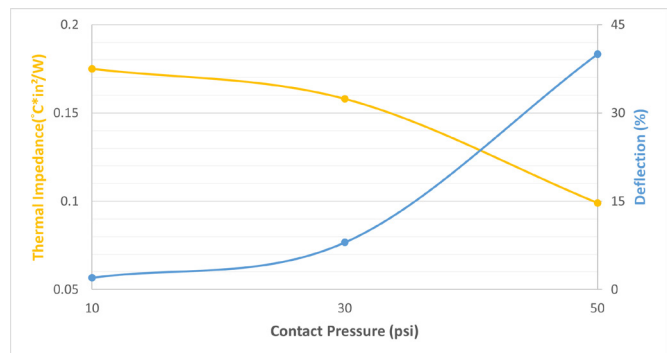
Best for high power applications

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

### Properties



### Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-AH25	Tolerance	Test Method
Thermal Conductivity	W/m·K	25	±10%	ASTM D5470 Modified
Thickness	mm	0.8/1.0/1.5/2.0	-	ASTM D374
	inch	0.0315~0.0787	-	ASTM D374
Color	-	Dark Gray	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥1	-	ASTM D149
Weight Loss	%	<1	-	By T-Global
Density	g/cm³	3.3	±5%	ASTM D792
Operating Temperature	° C	-50~+180	-	-
Volume Resistivity	Ohm-m	1 × 10 <sup>8</sup>	-	ASTM D257
Elongation	%	10	-	JSV-H1000
Tensile Strength	kgf/cm²	3	-	JSV-H1000
Standard Format	-	Sheet	-	-
Hardness	Shore OO	85	±10	ASTM D2240

※For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production  
 ※Different tolerances according to the selected thickness  
 ※Die-cut for different shapes

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