



TG-AGT15 Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

Features

- Smooth surface & low contact resistance
- Wide temperature range
- Electrical insulation; high breakdown voltage

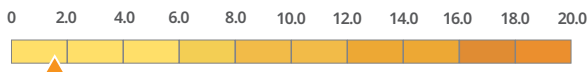
Applications

Usable over a wide temperature range

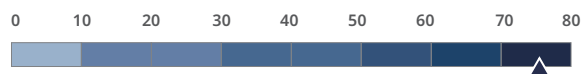
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

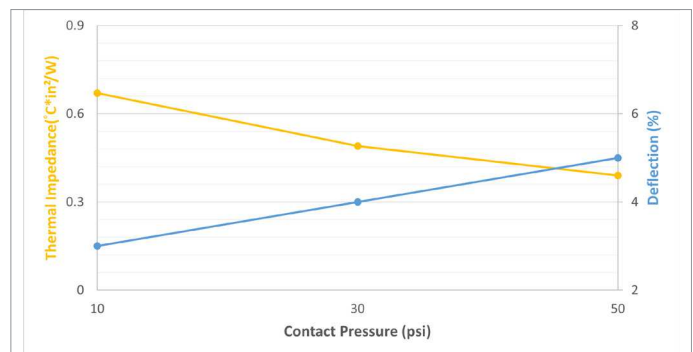
Thermal Conductivity : 1.6 W/m·K



Hardness : 75 (Shore A)



Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-AGT15	Tolerance	Test Method
Thermal Conductivity	W/m·K	1.6	±10%	ASTM D5470 Modified
Thickness	mm	0.23	-	ASTM D374
Color	-	Yellow	-	Colorimeter CIE 1976
Reinforcement Carrier	-	Fiberglass Mesh	-	-
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage (AC)	kV	≥4.1	-	ASTM D149
Dielectric Breakdown Voltage (DC)	kV	≥6.1	-	ASTM D149
Weight Loss	%	<0.2	-	By T-Global
Density	g/cm³	2.3	±5%	ASTM D792
Operating Temperature	°C	-45~+180	-	-
Volume Resistivity	Ohm·m	>10 ¹²	-	ASTM D257
Elongation	%	60	-	ASTM D412
Tensile Strength	kgf/cm²	200	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore A	75	±3	ASTM D2240

※Different tolerances according to the selected thickness

※Die-cut for different shapes

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