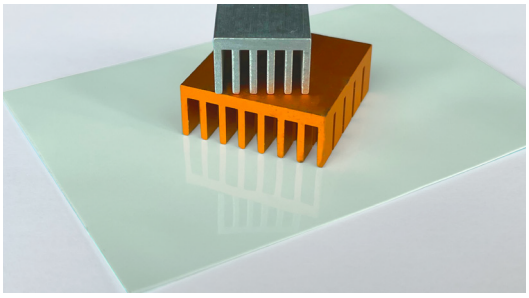


TG-ALC

High Performance Thermal Pad

REACH Compliant | RoHS Compliant | UL Compliant

Features

- Great thermal conductivity
- Difficult to be deformed
- Easy to assemble
- Double sided inherent tack

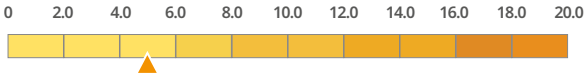
Application:

Best for low and medium power applications

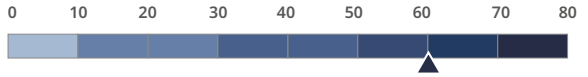
Electronic components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

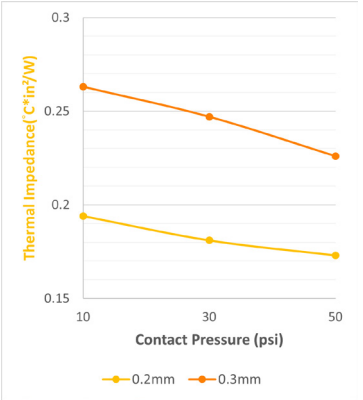
Thermal Conductivity : 4.2 W/m•K

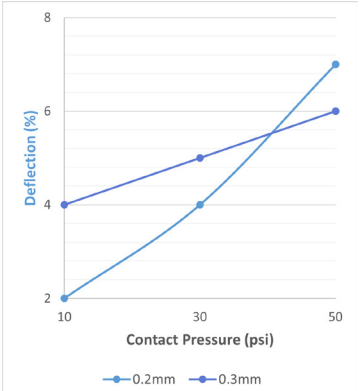


Hardness : 60 (Shore A)



Contact Pressure, Thermal Impedance, and Deflection





Properties	Unit	TG-ALC	Tolerance	Test Method
Thermal Conductivity	W/m•K	4.2	± 10%	ASTM D5470 Modified
Thickness	mm	0.2/0.3	-	ASTM D374
	inch	0.0079/0.0118	-	ASTM D374
Color	-	Green	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥4	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm^3	2.9	-	ASTM D792
Operating Temperature	° C	-50~+180	-	-
Volume Resistivity	Ohm-m	1× 10^{12}	-	ASTM D257
Elongation	%	10	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore A	60	± 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