

TG-A20KF

High Performance Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

Features

- Great thermal conductivity
- Difficult to be deformed
- Easy to assemble
- One side inherent tack

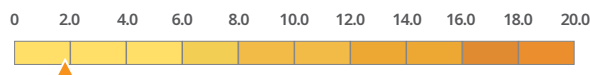
Application:

Best for low and medium power applications

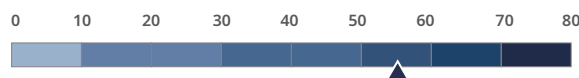
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

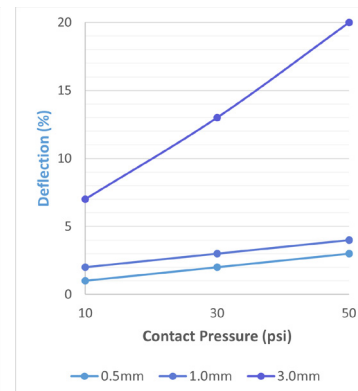
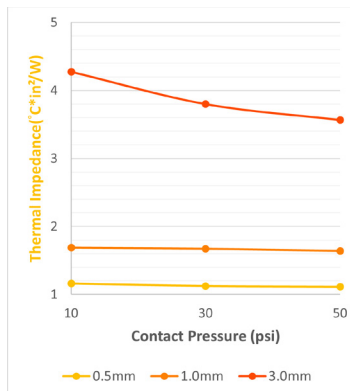
Thermal Conductivity : 1.8 W/m·K



Hardness : 55 (Shore OO)



Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-A20KF	Tolerance	Test Method
Thermal Conductivity	W/m·K	1.8	±10%	ASTM D5470 Modified
Thickness	mm	0.5~10.0	-	ASTM D374
	inch	0.0197~0.394	-	ASTM D374
Color	-	Dark Gray	-	Colorimeter CIE 1976
Reinforcement Carrier	-	Fiberglass mesh	-	-
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥13	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	2.1	±5%	ASTM D792
Operating Temperature	°C	-40~+180	-	-
Volume Resistivity	Ohm-m	3×10 ¹²	-	ASTM D257
Elongation	%	160 (Silicone Side)	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	55 (Silicone Side)	±8	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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