



TG-A20KX

High Performance Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

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

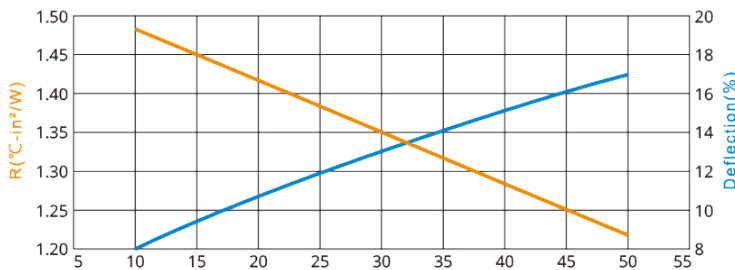
Applications

Best for low and medium power applications

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Properties

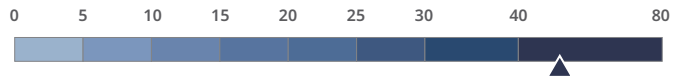
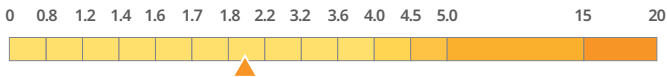
Thermal Resistance vs. Pressure vs. Deflection



Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	1.481	8
30	1.350	13
50	1.220	17

Thermal Conductivity : 2 W/mK

Hardness : 55 (Shore 00)



Properties	TG-A20KX	Unit	Tolerance	Test Method
Thermal Conductivity	2	W/mK	±10%	ASTM D5470
Thickness	0.3~10.0	mm	-	ASTM D374
	0.0197~0.394	inch	-	ASTM D374
Color	Dark Gray	-	-	Visual
Reinforcement Carrier	-	-	-	-
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥5	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2	g/cm ³	±10%	ASTM D792
Working Temperature	-40~+180	°C	-	-
Volume Resistance	3×10 ¹²	Ohm-m	-	ASTM D257
Elongation	160	%	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	55	Shore 00	±8	ASTM D2240

※Different tolerances according to the selected thickness
 ※Pre-cut for different shapes

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