



## GT Series Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

### Features

- Smooth surface & low contact resistance
- Usable over a wide temperature range
- Electrical insulation; high breakdown voltage

### Applications

Usable over a wide temperature range

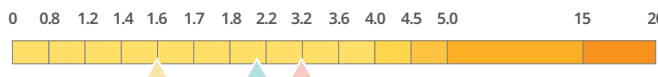
Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

### Properties

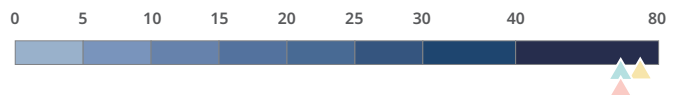
#### Thermal Resistance vs. Pressure vs. Deflection

GT15			GT20			GT30		
Pressure(psi)	R(°C-in²/W)	Deflection(%)	Pressure(psi)	R(°C-in²/W)	Deflection(%)	Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.67	<2.6	10	0.49	<2.6	10	0.52	<2.6
30	0.49	<2.6	30	0.41	<2.6	30	0.41	<2.6
50	0.39	18	50	0.34	22	50	0.37	6

#### Thermal Conductivity : 1.6/2.1/3.2 W/mK



#### Hardness : 75/70/70 (Shore A)



Properties	GT15	GT20	GT30	Unit	Tolerance	Test Method
Thermal Conductivity	1.6	2.1	3.2	W/mK	±10%	ASTM D5470
Thickness	0.23	0.3	0.35	mm	-	ASTM D374
Colour	Yellow	Green	Pink	-	-	Visual
Reinforcement Carrier	Fiberglass mesh			-	-	-
Flame Rating	V-0			-	-	UL 94
Dielectric Breakdown Voltage (AC)	4.1	4.1	3.1	KV/mm	±10%	ASTM D149
Dielectric Breakdown Voltage (DC)	6.1	6.1	5.1	KV/mm	±10%	ASTM D149
Weight Loss	<0.2			%	-	ASTM E595
Density	2.3	2.6	2.8	g/cm³	±10%	ASTM D792
Working Temperature	-45~+180			°C	-	-
Volume Resistance	>10 <sup>12</sup>	>10 <sup>12</sup>	>10 <sup>10</sup>	Ohm-m	-	ASTM D257
Elongation	60	60	30	%	-	ASTM D412
Tensile Strength	200	200	100	kgf/cm²	-	ASTM D412
Standard Format	Sheet			-	-	-
Hardness	75	70	70	Shore A	±3	ASTM D2240

Pre-cut for different shapes