



GT SeriesThermal 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)

0	0.8	1.2	1.4	1.6	1.7	1.8	2.2	3.2	3.6	4.0	4.5	5.0	15	20	0	5	10	15	20	25	30	40	80
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	0747	0700				
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	>1012	>1012	>1010	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

T-Global Technology (Europe & North America) Limited

Version17 20200501

t-Global (old version)

T-Global Technology are proud to announce the launch of a new company logo and mission statement as part of the ongoing growth and evolution of our company's brand.

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