

GT Serie

Thermal Pad

REACH

RoHS

UL



Features

Smooth surface & low contact resistance
 Usable over a wide temperature range
 Electrical insulation; high breakdown voltage
 Complies with UL standards

Applications

Electronic components: IC, CPU, MOS, LED, Mother Board, Power Supply,
 Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub,
 DDR II Module, DVD Applications, Hand-set applications etc.

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	< 3	10	0.49	< 3	10	0.52	< 3
30	0.49	< 3	30	0.41	< 3	30	0.41	< 3
50	0.39	18	50	0.34	22	50	0.37	6

Properties

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
Color	Yellow	Green	Pink	-	-	Visual
Reinforcement Carrier	Fiberglass mesh			-	-	-
Flame Rating	V-0	V-0	V-0	-	-	UL 94
Dielectric Breakdown Voltage(Vac)	4.1	4.1	3.1	KV	±10%	ASTM D149
Dielectric Breakdown Voltage(Vdc)	6.1	6.1	5.1	KV	±10%	
Weight Loss	< 0.2	< 0.2	< 0.2	%	-	ASTM E595
Density	2.3	2.6	2.8	g / cm ³	±10%	ASTM D792
Working Temperature	-45 ~ +180	-45 ~ +180	-45 ~ +180	°C	-	-
Volume Resistance	>10 ¹²	>10 ¹²	>10 ¹⁰	Ohm-m	-	ASTM D257
Elongation	60	60	30	%	-	ASTM D412
Tensile Strength	200	200	100	Kgf / cm ²	-	ASTM D412
Standard Shape	Sheet ones	Sheet ones	Sheet ones	-	-	-
Hardness	75	70	70	Shore A	±3	ASTM D2240

Need samples? **Available to apply adhesive**

Pre-cut for different shapes

高柏科技 T-Global Techonology Co., Ltd

Provide professional thermal engineering solutions and full range of products.

桃園市桃園區大仁路50巷33號 No. 33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan

T: +886-3-3618899 M: service@tglobal.com.tw W: www.tglobalcorp.com

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Matlog – Partner & Exclusive representative – +33 2 41 48 79 50 – thomas.morvan@matlog.com