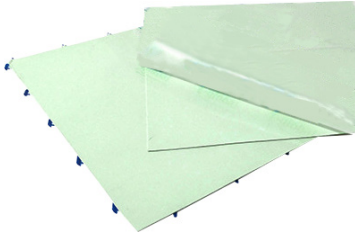


Ultra Soft Thermal Pads

multicomp^{PRO}

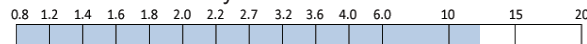
**RoHS
Compliant**



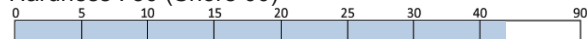
Features

- High thermal conductivity
- Low thermal resistance
- High compressibility and compliancy
- Electrical insulation

Thermal Conductivity : 12.5 W / mK



Hardness : 50 (Shore 00)

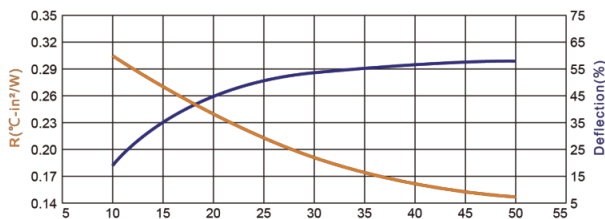


Applications

Best for high power 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



Pressure (psi)	R(°C-in²/W)	Deflection(%)
10	0.304	19
30	0.194	53
50	0.147	58

Properties

Properties	TG-A1250	Unit	Tolerance	Test Method
Thermal Conductivity	12.5	W / mK	±10%	ASTM D5470
Thickness	0.5~8	mm	-	ASTM D374
	0.0197 to 0.315	inch	-	ASTM D374
Colour	green	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	6.5	kV / mm	±10%	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.3	g / cm ³	±10%	ASTM D792
Working Temperature	-50 to +150	°C	-	-
Volume Resistance	1 × 10 ¹³	Ohm-m	-	ASTM D257
Elongation	40	%	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	50	Shore 00	±8	ASTM D2240
Need samples?	Pre-cut for different shapes			

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp^{PRO}

Part Number Table

Description	Part Number
Ultra Soft Thermal Pad, Green, 12.5W/mK, 150mm × 150mm × 0.5mm	MP-TG-A1250-150-0.5
Ultra Soft Thermal Pad, Green, 12.5W/mK, 150mm × 150mm × 1mm	MP-TG-A1250-150-1
Ultra Soft Thermal Pad, Green, 12.5W/mK, 150mm × 150mm × 1.5mm	MP-TG-A1250-150-1.5
Ultra Soft Thermal Pad, Green, 12.5W/mK, 150mm × 150mm × 2mm	MP-TG-A1250-150-2

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.