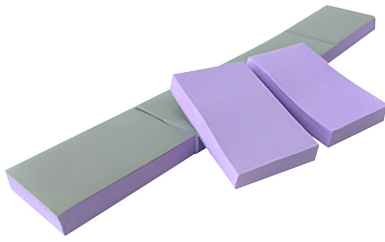


**RoHS  
Compliant**



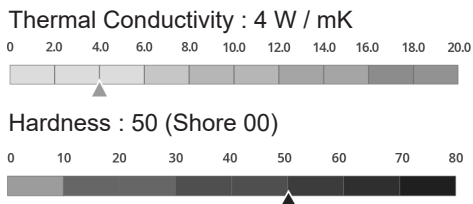
## Features

- High thermal conductivity
- Fiberglass on one side
- Non-deforming
- Electrical insulation

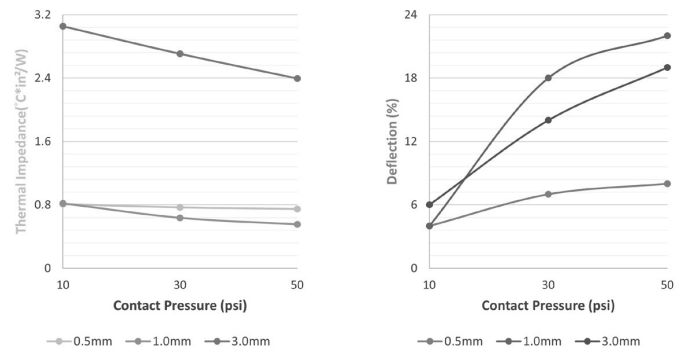
## Applications

Electronic components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

## Properties



## Contact Pressure, Thermal Impedance, and Deflection



Properties	MPTG-A4500F	Unit	Tolerance	Test Method
Thermal Conductivity	4.0	W/m·K	±10%	ASTM D5470 Modified
Thickness	0.5~8.0	mm	-	ASTM D374
	0.0197~0.3149	inch	-	ASTM D374
Colour	Purple	-	-	Colorimeter CIE 1976
Reinforcement Carrier	Fiberglass mesh	-	-	-
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥11	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595 Modified
Density	3.1	g/cm <sup>3</sup>	±5%	ASTM D792
Operating Temperature	50~+180	° C	-	-
Volume Resistivity	1×10 <sup>3</sup>	Ohm-m	-	ASTM D257
Elongation	50	%	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness (Silicone Side)	50	Shore OO	±15	ASTM D2240

- For thicknesses less than 1mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production
- Different tolerances according to the selected thickness
- Die-cut for different shapes

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

## Part Number Table

Description	Part Number
Fiberglass Mesh Thermal Pad, Purple, 150mm × 150mm × 0.5mm	MP-TG-A4500F-150-0.5
Fiberglass Mesh Thermal Pad, Purple, 150mm × 150mm × 0.8mm	MP-TG-A4500F-150-0.8
Fiberglass Mesh Thermal Pad, Purple, 150mm × 150mm × 1mm	MP-TG-A4500F-150-1.0
Fiberglass Mesh Thermal Pad, Purple, 150mm × 150mm × 1.2mm	MP-TG-A4500F-150-1.2
Fiberglass Mesh Thermal Pad, Purple, 150mm × 150mm × 1.5mm	MP-TG-A4500F-150-1.5
Fiberglass Mesh Thermal Pad, Purple, 150mm × 150mm × 2mm	MP-TG-A4500F-150-2.0
Fiberglass Mesh Thermal Pad, Purple, 150mm × 150mm × 3mm	MP-TG-A4500F-150-3.0

**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.