

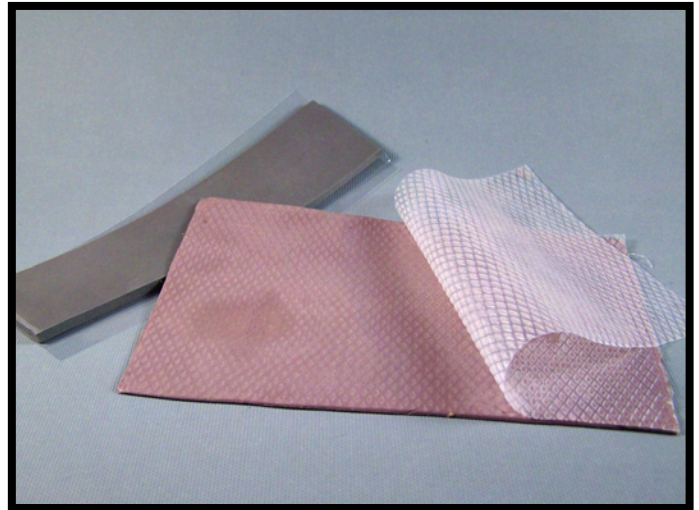
Gap-Filling High Performance Heat Transfer Thermal Sheets (6502 Series)

Product Summary

Similar to MAJR 6000 Series Thermal Materials with higher (W/m-k) transfer rates of 6, 8 and 14. The MAJR 6502 Thermal Management sheet materials are used in a wide variety of markets such as chip sets for IC controller packages, IT for industrial / personal computers, DRAM Modules, telecom devices, automotive control units, and a variety of other products used in military and commercial markets.

Product Application

These sheets are used in a wide variety of functions such as cooling active component chip sets and modules in computer, telecom, automotive, military and avionics applications. Completely passive, this material is soft and slightly adhesive on both sides to fill irregularities and gaps, yet will not bleed or wick out. These materials will withstand heat to 220°C with no change in performance or structure. These materials are non-conducting and can be die-cut or hand-cut to any shape.



Product Technical Data

	Identifier	Test Method	6502-00006-00
Thickness	mm		1.0 [±] 0.2
Thermal Resistance	°Cin ² /W	ASTM D5470 Equivalent	.32
Color	Visual	-	Dark Reddish Gray
Thermal Conductivity	Watt/mK	ASTM D5470	6.0
Volume Resistivity	M Ohms x m	ASTM D257	1.3 x 10 ⁶
Withstand Voltage	kV/mm x AC	ASTM D149	13
Specific Gravity	gr/cm ³	ASTM D792	3.2
Hardness	Shore 00	ASTM D2240	< 52
Elongation	%	ASTM D412	80
10% Compression	Kgf/in ²	-	10.7
50% Compression	Kgf/in ²	-	87.3
Sustain 50% Compression	Kgf/in ²	-	50.6

Gap-Filling High Performance Heat Transfer Thermal Sheets (6502 Series), Cont.

	Identifier	Test Method	6502-00008-00
Thickness	mm	-	1.0mm±0.2
Thermal Resistance	°Cin ² /W	ASTM D5470 Equivalent	.28
Color	Visual	-	Gray
Thermal Conductivity	Watt/mK	ASTM D5470	7.9
Volume Resistivity	M Ohms x m	ASTM D257	5.2 x 10 ³
Withstand Voltage	kV/mm x AC	ASTM D149	11
Specific Gravity	gr/cm ³	ASTM D792	3.2
Hardness	Shore 00	ASTM D2240	< 64
Elongation	%	ASTM D412	25
10% Compression	Kgf/in ²	-	16.7
50% Compression	Kgf/in ²	-	138.9
Sustain 50% Compression	Kgf/in ²	-	(76.7)

	Identifier	Test Method	6502-00014-00
Thickness	Mm		1.0mm±0.2
Thermal Resistance	°Cin ² /W	ASTM D5470 Equivalent	.17
Color	Visual		Gray
Thermal Conductivity	Watt/mK	ASTM D5470	14.0
Volume Resistivity	M Ohms x m	ASTM D257	7.3 x 10 ³
Withstand Voltage	kV/mm x AC	ASTM D149	11
Specific Gravity	gr/cm ³	ASTM D792	3.2
Hardness	Shore 00	ASTM D2240	< 64
Elongation	%	ASTM D412	40
10% Compression	Kgf/in ²	-	10.5
50% Compression	Kgf/in ²	-	123.4
Sustain 50% Compression	Kgf/in ²	-	79.4

HUBZONE Certified and Veteran Owned Manufacturer
MAJR Products Corporation
 17540 State Highway 198
 Saegertown, PA 16433
 PH: (814) 763-3211 FX: (814) 763-2952
www.majr.com email; sales@majr.com