

Thermal Management Materials (6000 Series)

MAJR 6000 thermal Management materials consist of sheet, adhesive, and grease compounds; these thermal materials are used in a wide variety of markets such as chip sets for IC controller packages, IT for industrial and personal computers, DRAM Modules, telecom devices, automotive control units, and a variety of other products used in military and commercial markets.



Thermal Management Material 6001

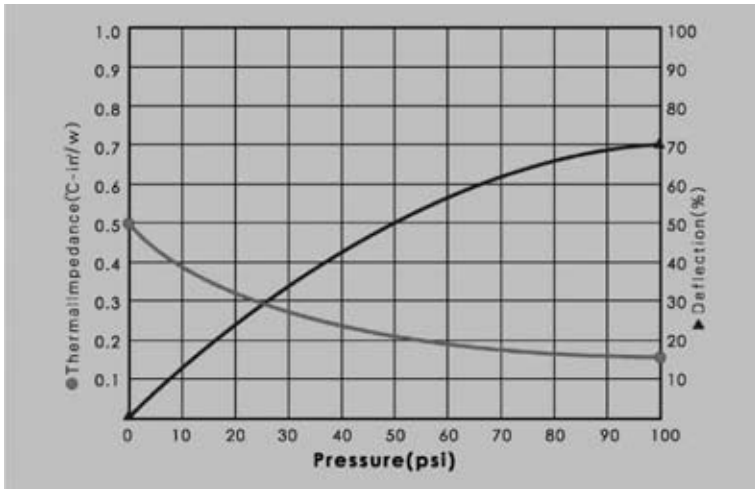
This material is ultra soft and can be applied to irregular surfaces. It incorporates a self adhesive backing for use in general to high altitude and high vibration applications.

This product exhibits good thermal conductivity to effectively conduct heat away from sensitive components to the heat sink.

Being electrically insulating, this thermal conductive material can be applied to electrical devices exhibiting high voltages.

PROPERTY Material 6001	RANGE	UNIT	TEST METHOD
Color	Lt. Yellow	—————	Visual
Thickness	0.3 - 15	mm	ASTM D374
Hardness	5.0+/-3	Shore A	ASTM D2240
Specific Gravity	1.94 +/-0.2	g/cm ³	ASTM D792
Elongation	0.2 +/-1.02	%	ASTM D412
Tensile Strength	66.4 +/-5	Kgf/cm ²	ASTM D412
Weight Loss	<1	%	@204°C/24 hr.
Dielectric Breakdown (V)	>10	KV	ASTM D149
Surface Resistance	2.61x10 ¹³	Ohm	ASTM D257
Temperature Continuous	-50 to +220	°C	-
Flame Raring	94V-0	UL	UL
Thermal Conductivity	1.7	W/m-k	ASTM D5470

Test Sample Thickness: 1.50mm



Thermal Resistance vs. Pressure (Gray)

The 6001 material provides low thermal impedance; with increasing pressure, thermal impedance becomes lower.

Deflection vs. Pressure (Black)

The 6001 material exhibits high deflection (softness); as pressure increases the deflection percentage increases.

Sample of the 6001 material

