

Thermal Management Materials (6000 Series) 6002 Material

Product Summary

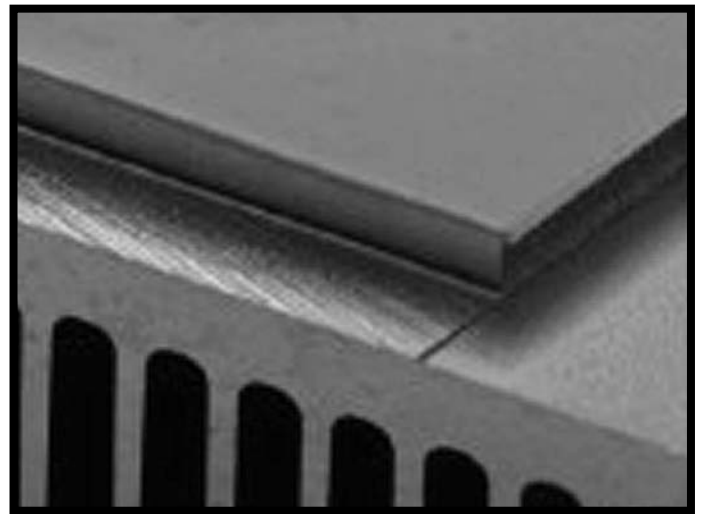
MAJR 6000 thermal Management materials consist of sheet, adhesive, and grease compounds; these thermal materials are used in a wide variety of markets such as chip sets for IC controller packages, IT for industrial and personal computers, DRAM Modules, telecom devices, automotive control units, and a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

Product Application (6002)

This material exhibits excellent softness, high compressibility, and natural adhesiveness. It is excellent for applications where high electrical insulation is needed.

This product has high thermal conductivity to effectively conduct heat away from sensitive components to a heat sink. The 6002 is an economical thermal conductive interface material.

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

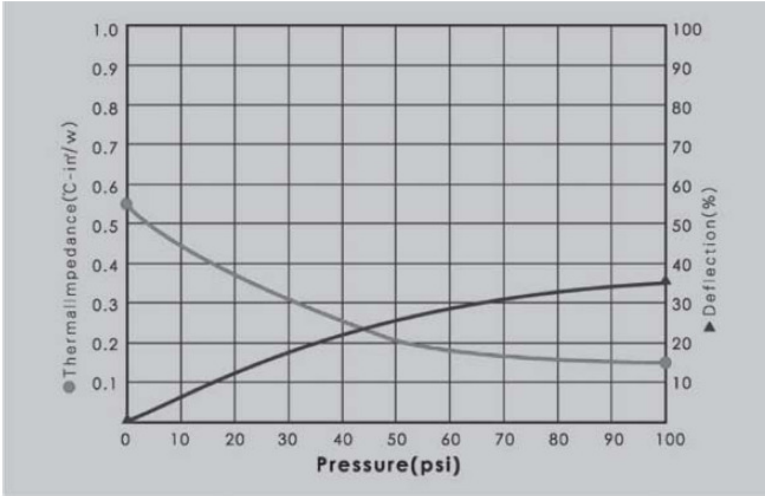


Product Technical Data (6002)

PROPERTY Material 6002	RANGE	UNIT	TEST METHOD
Color	Light gray	—————	Visual
Thickness	0.13 - 15	mm	ASTM D374
Specific Gravity	2.35 +/-0.2	g/cm ³	ASTM D792
Hardness	15 +/-3	Shore A	ASTM D2240
Elongation	300 +/-0.2	%	ASTM D412
Tensile Strength	12 +/-5	Kgf/cm ²	ASTM D412
Weight Loss	<1	%	@ 204°C/24 hr.
Dielectric Breakdown (V)	>7	KV	ASTM D149
Surface Resistance	>10 ¹⁷	Ohm	ASTM D257
Temperature Continuous	-50 to +220	°C	-
Flame Rating	94V-0	UL	UL
Thermal Conductivity	1.6	W/m-k	ASTM D5470

Thermal Management Materials (6000 Series) 6002 Material (Cont.)

Test Sample Thickness: 2.0mm



Thermal Resistance vs. Pressure (Gray)

The 6002 material provides low thermal impedance; with increasing pressure, thermal impedance becomes lower.

Deflection vs. Pressure (Black)

The 6002 material exhibits high deflection (softness); as pressure increases the deflection percentage increases. This material provides good compliance to mating surfaces.