

Thermal Management Materials, 6011 Material

Product Summary

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

Product Application (6011)

This material exhibits good thermal conductivity of 1.5 W/m-k. In addition, this material exhibits high compressibility with a Shore of 25 for conformability to uneven surfaces. It is excellent for applications where electrical insulation and thermal conductivity is needed. The material can be supplied in sheet form, tape form, and die-cut parts to your specification. Standard thicknesses are: 0.3mm, 0.5mm – 10.0mm in 0.5mm increments. Standard sheet size 200mm x 400mm.



Product Technical Data (6011)

Property	Unit	Metric Value	Test Method
Color	***	Dark Grey	Visual
Thickness	mm	0.5-10.0	ASTM D374
Density	g/cc	2.5	ASTM D792
Hardness	Shore C	25±5	ASTM D2240
Tensile Strength	KN/m	0.47	ASTM D412
Continuous Use Temp.	°C	-40-150°C	EN 344
<u>Electrical</u>			
Breakdown Voltage	Kv/mm	≥5.2	ASTM D149
Volume Resistivity	Ω.cm	8.0×10 ¹⁵	ASTM D257
Flame rating	V-0	V-0	UL 94
<u>Thermal</u>			
Thermal Conductivity	W/m.k	1.5	ASTM D5470