

## Thermal Management Materials (6000 Series) 6006 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

#### 6006 Thermal Conductive Transfer Tape

The 6006 Material – a thermally conductive adhesive transfer tape with a thickness of 10 mil. This material is a ceramic filled acrylic adhesive film incorporated onto a protective release liner. With excellent thermal conductivity, mechanical bonding properties, environmental, and electrical insulation along with the ease of use due to the release liner, this product provides an effective thermal interface between a heat sink and electronic components.

This thermally conductive adhesive is well suited for many thermal management applications. Example applications include bonding of IC packages, electronic components, and flex circuits to heat sinks.



### Product Technical Data (6006)

PROPERTY Material 6006	RANGE	UNIT	TEST METHOD
Color	White	—————	Visual
Thickness	0.25	mm	-
Adhesion	1.5	kg/inch	PSTC-1
Holding Power	>48	hrs/inch <sup>2</sup> @ 100°C	PSTC-7
Weight Loss	<1	@ 204°C/24 hr.	-
Specific Gravity	1.85 +/-0.1	g/cm <sup>3</sup>	ASTM D792
Hardness	20 +/-5	Shore A	ASTM D2240
Dielectric Breakdown (V)	>6	KV/mm	ASTM D149
Surface Resistance	2.2 x 10 <sup>11</sup>	Ohm-meter	ASTM D257
Temperature - continuous	-30 to +120	°C	-
Thermal Conductivity	0.8	W/m-k	ASTM D5470

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