

## MarkeTech Mo50Cu Moly/Copper Heat Sink Material

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Molybdenum Alloy , Refractory Metal

### Material Notes:

MoCu alloys are made by sintering molybdenum and copper together. This results in a heat sink of lower density than tungsten-based materials, low thermal expansion, and excellent thermal conductivity. Other features include Sheets can be stamped when moly is less than 70% Non magnetic Can be gold or nickel plated Data provided by the supplier, MarkeTech International.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MarkeTech-Mo50Cu-MolyCopper-Heat-Sink-Material.php](http://www.lookpolymers.com/polymer_MarkeTech-Mo50Cu-MolyCopper-Heat-Sink-Material.php)

Physical Properties	Metric	English	Comments
Density	9.30 - 9.50 g/cc	0.336 - 0.343 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	10.1 - 10.7 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.61 - 5.94 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 100 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 212 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	220 - 250 W/m-K	1530 - 1740 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Copper, Cu	50 %	50 %	
Molybdenum, Mo	>= 50 %	>= 50 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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