

MarkeTech Mo60Cu 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-Mo60Cu-MolyCopper-Heat-Sink-Material.php

Physical Properties	Metric	English	Comments
Density	9.50 - 9.70 g/cc	0.343 - 0.350 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	9.00 - 9.60 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.00 - 5.33 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 100 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 212 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	200 - 220 W/m-K	1390 - 1530 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Copper, Cu	40 %	40 %	
Molybdenum, Mo	>= 60 %	>= 60 %	

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