

## MarkeTech Cu/Mo/Cu 1:1:1 Laminated Sheet

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

### Material Notes:

Cu/MoCu sheets have very high in-plane thermal conductivity provide by layers of Cu and low CTEs provided by the inner layer of molybdenum. These laminated sheets spread heat from a concentrated heat source and subsequently dissipate the heat through the layers. Used as heat sinks.Data provided by the supplier, MarkeTech International.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MarkeTech-CuMoCu-111-Laminated-Sheet.php](http://www.lookpolymers.com/polymer_MarkeTech-CuMoCu-111-Laminated-Sheet.php)

Physical Properties	Metric	English	Comments
Density	9.27 - 9.47 g/cc	0.335 - 0.342 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	9.60 - 10.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.33 - 5.56 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 100 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 212 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	220 - 230 W/m-K	1530 - 1600 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	z direction
	300 - 310 W/m-K	2080 - 2150 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	x-y direction
Maximum Service Temperature, Air	850 $\text{Å}^\circ\text{C}$	1560 $\text{Å}^\circ\text{F}$	resists repeated cycles

## Contact Songhan Plastic Technology Co.,Ltd.

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