

MoCu
Carrier



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Molybdenum copper (MoCu) is a composite material of molybdenum and copper which has adjustable thermal expansion coefficient and thermal conductivity. It has lower density yet higher CTE compared with copper tungsten.

Grade	Mo Content	Density (g/cm ³)	Coefficient of Thermal Expansion ($\times 10^{-6}/^{\circ}\text{C}$)	Thermal Conductivity (W/m-K)
85 MoCu	85wt%	10.01	7	180(20°C)~185(100°C)
80 MoCu	80wt%	9.9	7	180(20°C)~175(100°C)
75 MoCu	75wt%	9.8	7.3	200(20°C)~185(100°C)
60 MoCu	60wt%	9.6	8.4	220(20°C)~210(100°C)
50 MoCu	50wt%	9.54	11.6	270(20°C)~200(100°C)