

OTHER ALLOYS

Advamet® Copper Datasheet

Advamet® is a wax/polymer binder system;
Compliant to MPIF Standard 35: MIM-Copper

Typical Chemical Composition (post Sinter)

Cu (%)
99.8 -100

Typical Particle Size Distribution

d_{90}
-22micron

Typical Physical Properties

Mechanical	Density	Thermal Conductivity (@ 77°F)	UTS	YS	Elongation
Units	(g/cm ³)	Btu *ft/(h*ft ² *°F)	(ksi)	(ksi)	(in./in.)
As-sintered	8.75	208	30	10	30

Coefficient of Thermal Expansion	Average CTE {x10 ⁶ /°F}
From Room Temp. to 100°F	8.7
From 101°F to 150°F	8.9
From 151°F to 200°F	9.1
From 201°F to 250°F	9.3
From 251°F to 300°F	9.4

Actual results depend on processing, including sintering cycle - performed.



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