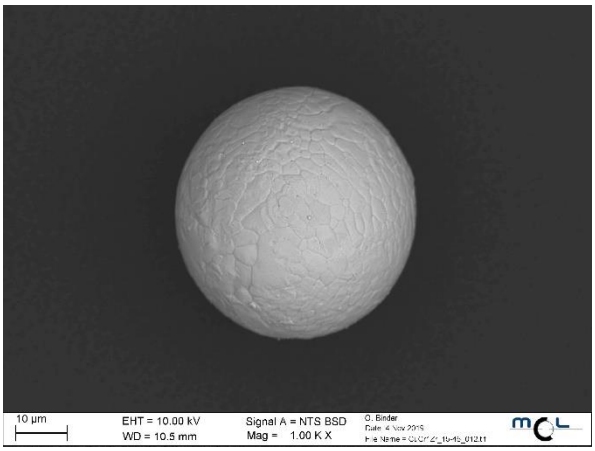
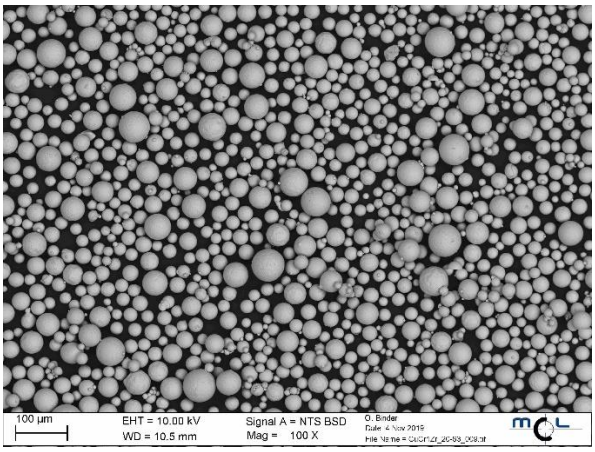
Cooper Alloy: MET CuCr1Zr

Alternative designation: C18150 / CW106C / 2.1293

Description and general material properties

MET CuCr1Zr is a hardenable copper alloy, which combines high strength and hardness with a very good thermal resistance. It offers good thermal and electrical conductivity and a good wear resistance.
Typically, the alloy is used for machinery construction and electrical applications, mold cooling inserts and high-performance applications in the aerospace or automotive industry.





Powder characteristics

Chemical composition		
Element	Min [wt%]	Max [wt%]
Cr	0,5	1,2
Zr	0,03	0,3
Fe		0,08
Si		0,1
Others total		0,2
Cu	Balance	Balance

Physical properties		
Properties*	Min	Max
Flow rate [s/50g]		15
Bulk density [g/cm³]	4,9	

*exemplary values for PSD 20 - 63 µm

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