

## Cooper Alloy: MET CuNi2SiCr

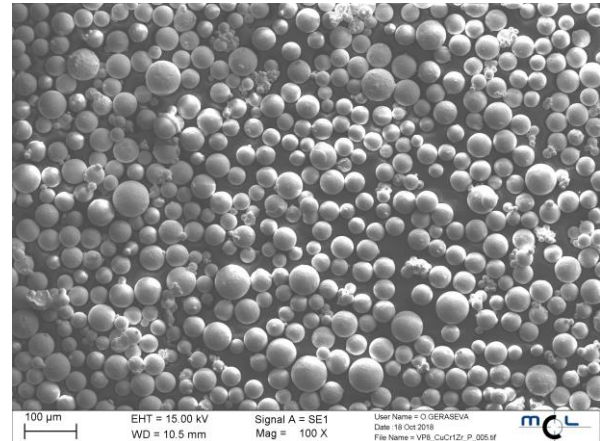
Alternative designation: C18000 / CW111C / 2.0855

### Description and general material properties

MET CuNi2SiCr is a thermally curable low-alloyed copper material with high stiffness, also at elevated temperatures. It offers good thermal and electrical conductivity combined with high corrosion resistance and is well suited for wear and sliding applications.

The beryllium free copper alloy is used for tooling, as mold insert and for highly thermally stressed construction elements.

### Powder characteristics



Chemical composition		
Element	Min [wt%]	Max [wt%]
Ni	2,0	3,0
Si	0,5	0,8
Cr	0,2	0,5
Fe		0,15
Mn		0,1
Pb		0,02
Others total		0,1
Cu	Balance	Balance

Physical properties		
Properties*	Min	Max
Flow rate [s/50g]		15
Bulk density [g/cm <sup>3</sup> ]	4,9	

\*exemplary values for PSD 20 - 63 µm