

m4p CuCrZr

Metal powder for laser-based powder bed fusion

Description, properties and application

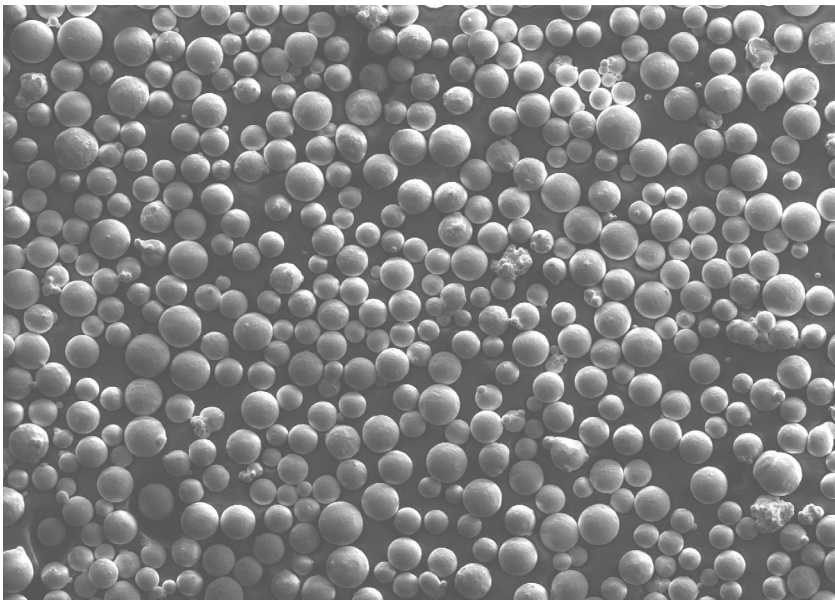
m4p™ CuCrZr is a costly produced powder material ideally suited for high performance application in aerospace industry or motorsports. In order to give a high reliable powder the production is carried out in a unique process excluding a crucible.

m4p CuCrZr is a hardenable Cu-alloy with high thermal and electrical conductivity – as well as acceptable hardness even at elevated temperatures.

Powder characteristics

Chemical analysis [wt%]		
Element	Min	Max
Cr	0.5	1.2
Zr	0.03	0.3
Fe		0.08
Si		0.1
Cu		Base

Particle size Laser PBF



100 µm

EHT = 15.00 kV
WD = 10.5 mm

Signal A = SE1
Mag = 100 X

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