



SPECIALIZED IN POWDER MATERIALS
专业生产金属粉末

球形纯铜粉 Pure Copper Powder

CNPC-PCu

中体新材 3D 打印金属铜基粉包括纯铜粉，CuSn10, CuNi2SiCr, CuCrZr, CuAlNiFe 等，由氩气或氮气雾化法生产，粉末流动性好，纯度高，可根据客户成分和颗粒要求定制生产。产品广泛用于航空航天、船舶、模具、汽车、电子等领域。

CNPC POWDER's copper base alloy powders include pure copper, CuSn10, CuNi2SiCr, CuCrZr, CuAlNiFe etc. They are produced by Argon or Nitrogen atomization process and have good flow-ability with spherical shape and high purity. Also they can be customized to specific requirements. The powders could be used in aerospace, vessels, molds, automotive, electronics industries etc.

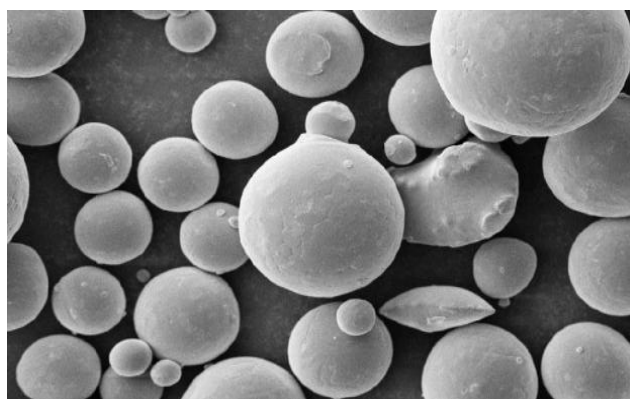
材料描述 MATERIAL DESCRIPTION

材料 (Material) : 3D 打印纯铜粉(3D printing Pure Copper Powder)
粒径 (Particle Size) : 0-15um;15-53um;45-120um;75-150um
形貌 (Particle Shape) : 球形 (Spherical)

规格特性 CHARACTERISTIC

化学元素 Element	最小含量 Min [%]	最大含量 Max [%]
Cu	99.5	99.8
Mn	-	0.50
Fe	-	0.03
Pb	-	0.03
O	-	0.10
目标值 Target Value		
松装密度 Apparent Density	4.4-5.5 G/CM ³	

电镜图 SEM PICTURES





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专业生产金属粉末

球形铜合金粉 Copper Alloy Powder

CNPC-CuSn10

中体新材 3D 打印金属铜基粉包括纯铜粉, CuSn10, CuNi2SiCr, CuCrZr, CuAlNiFe 等, 由氩气或氮气雾化法生产, 粉末流动性好, 纯度高, 可根据客户成分和颗粒要求定制生产。产品广泛用于航空航天、船舶、模具、汽车、电子等领域。

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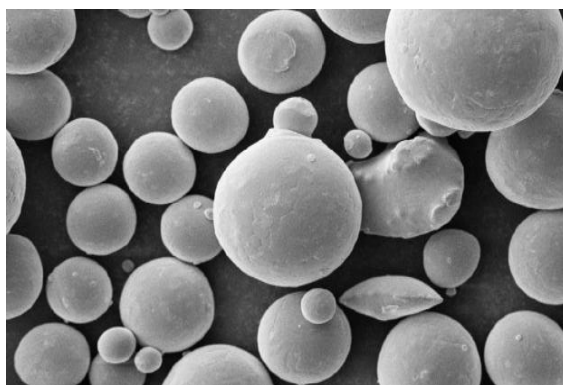
材料描述 MATERIAL DESCRIPTION

材料 (Material): CuSn10
粒径 (Particle Size): 0-15um; 15-53um; 45-106um
形貌 (Particle Shape): 球形 (Spherical)

规格特性 CHARACTERISTIC

化学元素 Element	最小含量 Min [%]	最大含量 Max [%]
Cu	Balance	Balance
Sn	9.00	11.00
标准范围 Limit values		
流速 Flow test by Hall(2.5mm)	< 35 S/50G	
松装密度 Apparent Density	4.8-5.20 G/CM ³	

电镜图 SEM PICTURES





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球形铜合金粉 Copper Alloy Powder

CNPC-CuAlNiFe

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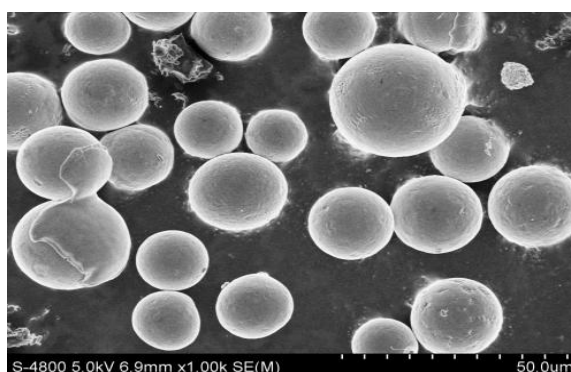
材料描述 MATERIAL DESCRIPTION

材料 (Material): CuAlNiFe
粒径 (Particle Size): 0-15um; 15-53um; 45-120um; 75-150um
形貌 (Particle Shape): 球形 (Spherical)

规格特性 CHARACTERISTIC

化学元素 Element	最小含量 Min [%]	最大含量 Max [%]
Cu	Balance	Balance
Fe	3.00	5.00
Ni	4.00	6.00
Al	8.50	11.00
O	0.00	0.10
标准范围 Limit values		
流速 Flow test by Hall(2.5mm)	<20 S/50G	
振实密度 Tapping Density	>3.50G/CM ³	
松装密度 Apparent Density	>4.50 G/CM ³	

电镜图 SEM PICTURES





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球形铜合金粉 Copper Alloy Powder

CNPC-CuCrZr

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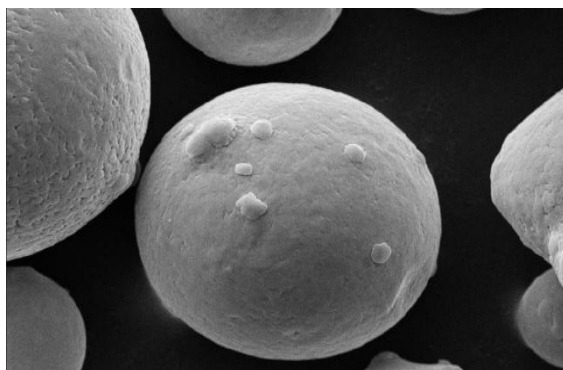
材料描述 MATERIAL DESCRIPTION

材料 (Material) : CuCrZr
粒径 (Particle Size) : 0-15um; 15-53um; 45-120um; 75-150um
形貌 (Particle Shape) : 球形 (Spherical)

规格特性 CHARACTERISTIC

化学元素 Element	最小含量 Min [%]	最大含量 Max [%]
Cu	Balance	Balance
Cr	0.30	1.2
Zr	0.03	0.3
标准范围 Limit values		
流速 Flow test by Hall(2.5mm)	<15 S/50G	

电镜图 SEM PICTURES





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球形铜合金粉 Copper Alloy Powder

CNPC-CuNi2SiCr

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材料描述 MATERIAL DESCRIPTION

材料 (Material) : CuNi2SiCr
粒径 (Particle Size) : 0-15um; 15-53um; 45-120um; 75-150um
形貌 (Particle Shape) : 球形 (Spherical)

规格特性 CHARACTERISTIC

化学元素 Element	最小含量 Min [%]	最大含量 Max [%]
Cu	Balance	Balance
Cr	0.20	0.50
Ni	2.00	3.00
Fe	-	0.15
Si	0.50	0.80
标准范围 Limit values		
流速 Flow test by Hall(2.5mm)	<20 S/50G	
松装密度 Apparence Density	>4.0 G/CM ³	
振实密度 Tap Density	>5.0G/CM ³	

电镜图 SEM PICTURE

