

E·FILL™ 1231

Conductive Grade Autoclaved Nickel Powder

Sulzer Metco has been making consistent high quality metal powders for over 35 years. The high purity product is free of contaminants usually found in pyrometallurgy. This material is ideally suited for use in electronic applications as a base additive or as core material for further coating. The powder's spheroidal shape and pebbly surface offers an excellent balance between conductive and rheology characteristics.

Sulzer Metco's pressure hydrometallurgical production method produces powders by building them up layer by layer ensuring a consistent and controllable particle shape and surface morphology.

Our highly controllable production method coupled with our extensive sizing and blending operations ensures each and every lot will surpass your particle distribution requirements.

Apparent Density	
Hall (ASTM B212):	3.2 to 3.5 g/cm ³ typical
Standard Packaging:	25 kg net in plastic pails

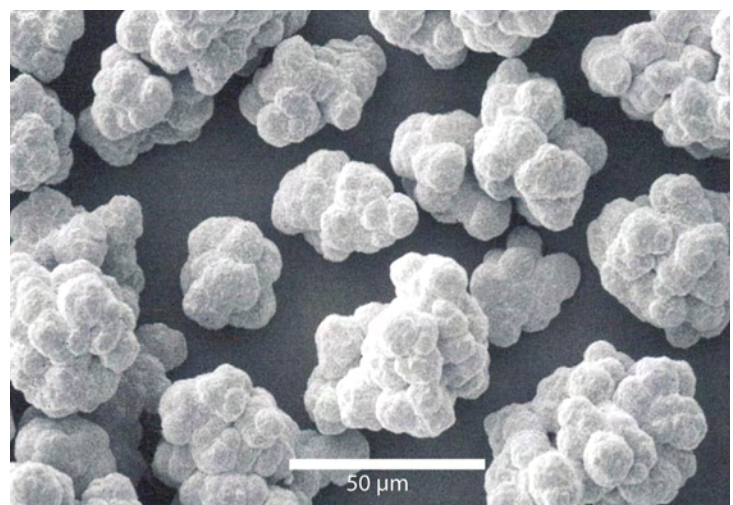


ISO 9001 and AS9100 Certified

Chemical Analysis		Laser Diffraction Analysis	
Component	Specification wt. %		Typical Value Microns (µm)
Nickel+Cobalt	99.6 min	D10	30 ± 5 (µm)
Cobalt	0.15 max	D50	40 ± 5 (µm)
Copper	0.02 max	D90	55 ± 5 (µm)
Iron	0.05 max		
Sulphur	0.03 max		
Carbon	0.15 max		

Tyler Screen Analysis		
Parameter	Effective Opening (µm)	Specification (wt. %)
+270	+63	3 max
-270 +325	-63 +45	15 max
-10 microns(*)	-10(*)	5 max

(*) Measurement by Laser Light Diffraction (Microtrac)



SEM micrograph showing typical size, shape and surface morphology of SF Nickel Powder

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