Technical Information Bulletin



CULOX NICKEL POWDERS: TYPE 5600 AND 5950

DESCRIPTION

High purity Nickel powders with nearly spherical morphology and customized size distributions.

GENERAL APPLICATION

Nickel powders available from CuLox, can be used for applications in the chemical and metallurgical industries. Examples of specific applications include use as a catalyst and for making coatings using thermal spray technologies.

Nominal Chemistry:	Specification	Typical
Nickel	99.8 % Min	99.0 %
Carbon	0.06 % Max	0.04 %
Cobalt	0.005 % Max	0.004 %
Copper	0.01 % Max	0.0005 %
Iron	0.015 % Max	< 0.01
Sulfur	0.04 % Max	0.025

Nominal Powder Characteristics:				
Particle Size Distribution:				
Mesh Size	Micron	CuLox 5600	CuLox 5950	
+ 60 Mesh	+ 250		2 % Max	
+ 170	+ 90			
+ 200	+ 75	10 % Max		
60 / 325	- 250 + 45		Balance	
200 / 325	- 75 + 45	Balance		
	- 45	2 % Max	10 % Max	
Apparent Density: 2.5 – 3.5 gm/cc				

Morphology: Nearly Spherical

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