

## 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.

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

### Nominal Powder Characteristics:

#### Particle Size Distribution:

<b>Mesh Size</b>	<b>Micron</b>	<b>CuLox 5600</b>	<b>CuLox 5950</b>
+ 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**