



Pure Nickel, N6

1. Brief introduction:

Pure nickel has good electrical conductivity, corrosion resistance, and high melting point. It evaporates in cathode temperature range, has good emissivity to the cathode, and has sufficient thermal evaporation. It also has good machinability and formability. Also it has suitable resistivity, good emissivity, and large heat transfer coefficient. Therefore, it is mostly used for corrosion resistant members, and important parts of precision instrument structure and medical equipment, such as chemical corrosion resistant equipment, filter (cloth) for producing strong alkali, welding electrode core wire for welding pig iron, lamp pin lead for bulb factory, heating rod lead wire, etc.

2. Chemical composition under GB/T5235-2007 standard:

chemical composition,%																
Grade	Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe	Pb	Bi	As	Sb	Zn	Cd	Sn
N6	≥99.5	≤0.1	≤0.1	≤0.05	≤0.1	≤0.1	≤0.005	≤0.002	≤0.1	≤0.002	≤0.002	≤0.002	≤0.002	≤0.007	≤0.002	≤0.002

3. Main product types:

wire, rod, bar, strip, sheet, tube.

4. Pure nickel, N6 source URL:

<https://www.hitealloy.com/product/n6.html>