Ni200

1. Brief introduction:

Pure nickel has good electrical conductivity, corrossion resistance,and high melting point. It evaporate 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:

chemical composition under GB/T5235-2007 standard:

Grade	chemical composition,%									
	Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe	Cr
N7(N02200)	≥99	≤0.25	≤0.3	≤0.35	≤0.15	-	≤0.01	-	≤0.4	≤0.2

3. chemical composition under ASTM B160 standard:

Grade	chemical composition,%								
	Ni	Cu	Si	Mn	C	Mg	S	P	Fe
UNS N02200	≥99	≤0.25	≤0.3	≤0.35	≤0.15	-	≤0.01	-	≤0.4

Ni element shall be determined arithmetically by difference.

Carbon max value was corrected editorially.

4. Main product types:

wire,rod, bar,strip,sheet，tube.

5. Produce standards:

Wire/Rod/bar	ASTM B160	ASME SB160
strip/sheet/plate	ASTM B162	ASME SB162
pipe/tube	ASTM B161/B163, ASTM B725/B730	ASME SB161/SB163, ASME SB725/SB730

6. Ni200 source URL:

https://www.hitealloy.com/product/ni200-n7.html