



## Nickel 201 - UNS N02201

Henan Sheng He Pipe Industry Co., Ltd., have an experience spanning for over ten years, producing and supplying best-in-class products, minimize cost by getting manufacturing processes under one roof and delivering consignments on a daily basis only because of a diligent and dedicated team. We are manufacturers, suppliers and exporters of Nickel 201 material.

**Common Trade Names:** Nickel 201, LC Nickel 99.2

Nickel 201 has the same characteristics Nickel 200 but has lower carbon levels. These properties, and its chemical composition, make Nickel alloy 201 fabricatable and highly resistant to corrosive environments. Nickel 201 is useful in any environment above 600 °F. It is highly resistant to corrosion by neutral and alkaline salt solutions, fluorine and chlorine. Nickel alloy 201 also has low corrosion rates in neutral and distilled water. The metal can be hot formed to any shape and formed cold by all methods.

### Nickel 201 Available Formats

Henan Sheng He Pipe Industry offers Nickel alloy 201 in a variety of forms, including:

- Bar
- Wire
- Sheet
- Plate
- forgings
- Pipe fittings
- Flanges
- Seamless & Welded pipe
- Seamless Tube & Welded tube
- Weld Rod

Contact us for more information on our Nickel 201 products, or request a quote today.



## Nickel 201 Applications

Nickel alloy 201 has many different industrial applications, some of which include:

- Lead wires
- Battery components
- Transducers
- Sparking electrodes
- Heat exchangers

## ASTM Specifications

ASTM (American Society for Testing and Materials) for various products made out of Nickel 201 are as follow

Pipe Seamle ss	Pipe Welde d	Tube Seamle ss	Tube Welde d	Sheet/Pla te	Bar	Forgin g	Fittin g	Wir e
B161	B715	B163	B725	B162	B16 4	B564	B366	—

## Nickel 201 (UNS N02201) Chemical Composition, %

Ni	Fe	Cu	C	Mn	S	Si
99.0 min	.40 max	.25 max	.02 max	.35 max	.01 max	.35 max



## **Mechanical Properties - Room Temperature properties of Various Products**

<b>Product Form</b>	<b>Condition</b>	<b>Tensile (ksi)</b>	<b>.2% Yield (ksi)</b>	<b>Elongation (%)</b>	<b>Hardness (HRB)</b>
<b>Rod &amp; Bar</b>	Hot Finished	60-85	15-45	55-35	45-80
<b>Rod &amp; Bar</b>	Cold Drawn/Annealed or Hot-Finished/Annealed	55-75	15-30	55-40	45-70
<b>Plate</b>	Hot-Rolled/Annealed	55-80	15-40	60-40	45-75
<b>Sheet</b>	Annealed	55-75	15-30	55-40	70 max
<b>Tube &amp; Pipe</b>	Seamless Annealed	55-75	12-30	60-40	70 max