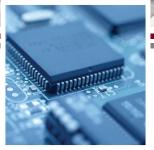


Ultimate Tensile Strength	59,000 psi				
0.2% Offset Yield Strength	15,000 psi				
Elongation in 2 inches	40%				
Rockwell Hardness	B55				
Linear coefficient of thermal expansion cm. per cm. per °F x 10 ⁻⁶					
per °F x 1	10- ⁶				
per °F x 1 Temp. range – °F	10 ⁻⁶ Nickel 201				
per °F x 1 Temp. range – °F 70-200	Nickel 201 7.3				

Certified to ASTM B160/162







Nickel 201 Alloy is a low carbon modification of the Nickel 200. Its thermal and magnetic properties are also similar. Nickel 201 is generally specified where exposure to temperatures above 600 F is expected.

It has a low annealed hardness and very low work-hardening rate. Those who use Nickel 201 Alloy find it desirable in deep drawing, spinning, and coining.

Nickel 201 is not subject to embrittlement at temperatures of 600-1400 F due to its low Carbon however, Nickel 201 is subject to intergranular embrittlement by Sulfur compounds at temperatures above 600 F. It is particularly resistant to caustic soda, dry fluorine, chlorine, hydrogen chloride and hydrofluoric acid.

It addition, it can be applied to corrosion-resistant equipment including but not limited to: caustic evaporators, spun anodes, and laboratory crucibles.

Other applications include heat exchanger parts, electrical parts and aerospace components.



Property

Nickel 201

Specialty Metal Service Center
Dedicated to Customer Service & Quality

NATIONAL ELECTRONIC ALLOYS ww.nealloys.com

EAST COAST

3 Fir Court, Oakland, NJ 07436

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Toll Free: 800-524-4309

Email: Sales@nealloys.com

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714-556-5561 • Fax: 714-556-5562

Toll Free: 877-632-9378 Email: Sales@nealloyswest.com

NICKEL 201

NICKEL 201

(ASTM B 160/162)

COIL FROM STOCK

Thickness		Width	1		1	Thickness		Width		
.005"	Χ	12" or Your Width	Χ	COIL		.020"	Χ	12" or Your Width	Χ	COIL
.010"	Χ	12" or Your Width	Χ	COIL		.030"	Χ	12" or Your Width	Χ	COIL
.015"	Χ	12" or Your Width	Χ	COIL		.040"	Χ	12" or Your Width	Χ	COIL
						.062"	Χ	12" or Your Width	Χ	COIL

Above Can Be Slit To Your Width On 8" or 16" Cores

ROD FROM STOCK

.050" dia.	Χ	72"	.250" dia.	Χ	72"	1.250" dia.	Χ	72"
.062" dia.	Χ	72"	.375" dia.	Χ	72"	1.500" dia.	Χ	72"
.093" dia.	Χ	72"	.500" dia.	Χ	72"	1.750" dia.	Χ	72"
.125" dia.	Χ	72"	.625" dia.	Χ	72"	2.250" dia.	Χ	72"
.156" dia.	Χ	72"	.750" dia.	Χ	72"			
.187" dia.	Χ	72"	1.000" dia.	Χ	72"			

PLATE FROM STOCK

Thickness

.187"	.375"	.812"
.250"	.500"	1.000"
312"	750"	

OTHER SIZES AND TEMPERS AVAILABLE UPON REQUEST

Most stock is dual certified to meet Nickel 200 and 201. Our coil stock will also meet Nickel 233 and in some cases 205 chemistry.



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