

Nickel 201 is a low carbon variety compared with Nickel 200, processing low annealed hardness and a very low work-hardening rate, desirable for cold forming operations. It is highly resistant to corrosion by neutral and alkaline salt solutions, fluorine and chlorine, but in oxidizing salt solutions severe attack will occur.

The applications of Nickel 201 includes food and synthetic fiber processing equipment, electronic parts, aerospace and missile components, handling of sodium hydroxide above 300°C.

Nickel 201 Specifications:

Grade	UNS	W.Nr
Nickel 201	N02201	2.4060/2.4066

Nickel 201 chemical composition:

Grade	%	Ni	Fe	C	Mn	Si	Cu	S
Nickel 201	Min	Bal.						
	Max		0.4	0.02	0.35	0.35	0.25	0.01

Nickel 201 Mechanical properties (Min Value at 20°C)

Tensile Strength σ_b /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation σ_5 /%
≥ 345	≥ 103	≥ 40

Nickel 201 Standards

Bar/Rod	Forging	Sheet/Strip	Wire	Pipe/Tube
ASTM B160	ASTM B564	ASTM B162	ASTM B166	ASTM B161 ASTM B163 ASTM B725 ASTM B730

Nickel 201 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia 1.0-300mm
- Strip(Coil): 0.2-20mm TCK x 10-300mm W
- Sheet: min.0.7mm TCK x 1200mm W max.
- Tube & Forging & Machine Parts: customized
- Welding wire: 0.8mm, 1.0mm, 1.2mm, 2.0mm, 2.4mm, 3.2mm, 3.8mm, 4.0mm etc
- Welding Strip: 0.4-0.7mm TCK x 25-60mm W