

Alloy 200 (UNS N02200) has excellent mechanical properties, magnetic properties, high thermal, electrical conductivity and excellent resistance to many corrosive environment. Nickel 200 is useful in any environment below 600°F(315°C). It has highly resistance to neutral and alkaline salt solutions. Nickel 200 also has low corrosion rates in neutral and distilled water.

The applications of pure nickel includes aerospace components, food processing equipment, magnetostrictive devices, Chemical processing, Marine Engineering, Power Generation, Oil and Gas Extraction, Petrochemical processing, Telecommunications Etc

**Nickel 200 Specifications:**

Grade	UNS	W.Nr
Nickel 200	N02200	2.4060

**Nickel 200 chemical composition:**

Grade	%	Ni	Fe	C	Mn	Si	Cu	S
Nickel 200	Min	Bal.						
	Max		0.4	0.15	0.35	0.35	0.25	0.01

**Nickel 200 Mechanical properties (Min Value at 20°C)**

Tensile Strength $\sigma_b$ /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation $\sigma_5$ /%
$\geq 380$	$\geq 103$	$\geq 40$

**Nickel 200 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 200 Size Range**

- Wire: Dia 0.08-12mm
- Bar: Dia1.0-300mm
- 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