

Nickel 200

Commercially pure (99.6%) wrought nickel with good mechanical properties and resistance to a range of corrosive media. Good thermal, electrical and magnetostrictive properties. Used for a variety of processing equipment, particularly to maintain product purity in handling foods, synthetic fibers and alkalis. Standard product forms are round, flats, pipe, tube, plate, sheet, forging stock, strip and wire.

Specifications and Designations

UNS N02200	DIN 17740, 17750-17754
BS 3072-3076 (NA11)	Werkstoff Nr. 2.4060,
ASTM B160, B161, B162, B163 B725, B730	2.4066
ASME SB-160, SB-161, SB-162, SB-163, Boiler Code Sections III, VIII, IX	

Limiting Chemical Composition, %

Ni ^a 99.0 min.	Mn 0.35 max.	S 0.01 max.
Cu 0.25 max.	C 0.15 max.	
Fe 0.40 max.	Si 0.35 max.	

^aPlus Co.

Typical Mechanical Properties (Annealed)

Tensile Strength, psi	67 000
MPa	462
Yield Strength (0.2% Offset), psi	21 500
MPa	148
Elongation, %	47

Physical Constants and Thermal Properties

Density, lb/in ³	0.322
Mg/m ³	8.90
Melting Range, °F	2615-2635
°C	1435-1446