

NICKEL ALLOY COMPOSITIONS

Alloy	UNS No.	Basic Composition, %	Density Lb./In ³ (G/CM ³)
Nickel 200	N02200	Ni 99.6, C 0.04	0.322 (8.92)
Nickel 201	N02201	Ni 99.6, C 0.02 max	0.322 (8.92)
Nickel 211	N02211	Ni 97.0, Mn 5.0	0.322 (8.92)
MONEL alloy 400	N04400	Ni 65.1, Cu 32.0, Fe 1.6, Mn 1.1	0.319 (8.84)
MONEL alloy R-405	N04405	Ni 65.0, Cu 32.0, Fe 1.6, Mn 1.1, S 0.04	0.318 (8.80)
MONEL alloy K-500	N05500	Ni 64.7, Cu 30.2, Al 2.7, Fe 1.0, Ti 0.6	0.305 (8.44)
INCONEL alloy 600	N06600	Ni 76.0, Cr 15.0, Fe 8.0	0.304 (8.42)
INCONEL alloy 601	N06601	Ni 60.5, Cr 23.0, Fe 14.4, Al 1.4	0.291 (8.06)
INCONEL alloy 601GC	N06601	Ni 60.5, Cr 23.0, Fe 14.4, Al 1.4	0.302 (8.36)
INCONEL alloy 617	N06022	Ni 52.0, Cr 22.0, Co 12.5, Mo 9.0, Fe 1.5, Al 1.2	0.311 (8.61)
INCONEL alloy 622	N06625	Ni 59.0, Cr 20.5, Mo 14.2, W 3.2, Fe 2.3	0.305 (8.44)
INCONEL alloy 625LCF	N06626	Ni 58.0, Cr 20.5, Mo 16.3, W 3.8, Fe 1.0	0.315 (8.72)
INCONEL alloy 690	N06690	Ni 61.5, Cr 29.0, Fe 9.0	0.296 (8.19)
INCONEL alloy 718	N07718	Ni 54.0, Fe 18.5, Cr 18.0, Nb 5.0, Mo 3.0	0.296 (8.19)
INCONEL alloy 718 SPF	N07719	Ni 54.0, Fe 18.5, Cr 18.0, Nb 5.0, Mo 3.0	0.296 (8.19)
INCONEL alloy 725	N07750	Ni 57.0, Cr 21.0, Mo 8.0, Fe 7.5, Nb 3.5, Ti 1.5	0.299 (8.28)
INCONEL alloy X-750	N07750	Ni 73.0, Cr 15.5, Fe 7.0, Ti 2.5, Nb 1.0, Al 0.7	0.299 (8.28)
INCOLOY alloy 800	N08800	Fe 46.0, Ni 32.5, Cr 21.0, C 0.05	0.290 (8.03)
INCOLOY alloy 800H	N08810	Fe 46.0, Ni 32.5, Cr 21.0, Al + Ti 0.85 – 1.2, C 0.08	0.294 (8.14)
INCOLOY alloy 825	N08825	Ni 44.0, Fe 28.0, Cr 21.5, Mo 3.0, Cu 2.0, Ti 1.0	0.294 (8.14)
INCOLOY alloy 925	N09925	Ni 44.0, Fe 28.0, Cr 21.0, Mo 3.0, Ti 2.1, Cu 1.8, Al 0.3, C 0.01	0.292 (8.08)
INCO alloy 020	N08020	Fe 37.0, Ni 35.0, Cr 20.0, Cu 3.5, Mo 2.5, Nb 0.6	0.291 (8.05)
INCO alloy 330	N08330	Fe 44.0, Ni 35.5, Cr 18.5, Si 1.1	0.292 (8.08)
INCO alloy C-276	N10276	Ni 57.0, Mo 16.0, Cr 15.5, Si 1.1	0.321 (8.89)
INCO alloy HX	N06002	Ni 47.5, Cr 21.8, Fe 18.5, Mo 9.0, Co 1.5, W 0.6	0.302 (8.35)
NILO alloy 36	K93600	Fe 64.0, Ni 36.0	0.293 (8.11)
NILO alloy 365	— 0 —	Fe 52.4, Ni 43, Ti 1.3, Nb 3.3	0.293 (8.11)
NILO alloy 42	K94100	Fe 58.0, Ni 42.0	0.293 (8.11)
Nicrofer 59	N06059	NI59CR24MO16	0.311 (8.61)

NICKEL ALLOYS Available Product Forms

Alloy	Billet and/or Rod Products	Hot-Rolled Plate	Sheet and/or Strip	Pipe and/or Tubing	Wire and/or Wire Rod
Nickel 200	•	•	•	•	—
Nickel 201	•	•	•	•	—
Nickel 211	—	—	—	•	—
MONEL alloy 400	•	•	•	•	—
MONEL alloy R-405	•	—	—	—	—
MONEL alloy K-500	•	—	—	—	—
INCONEL alloy 600	•	•	•	•	•
INCONEL alloy 601	•	•	•	•	•
INCONEL alloy 601GC	—	—	—	•	—
INCONEL alloy 617	•	•	•	—	—
INCONEL alloy 622	•	•	•	•	—
INCONEL alloy 625	•	•	•	—	—
INCONEL alloy 625 LCF	—	—	•	—	—
INCONEL alloy 686	•	•	•	•	—
INCONEL alloy 690	•	•	—	—	—
INCONEL alloy 718	•	•	•	—	—
INCONEL alloy 718 SPF	—	—	•	—	—
INCONEL alloy 725	•	—	—	—	—
INCONEL alloy X-750	•	—	•	—	—
INCOLOY alloy 800	•	•	•	•	—
INCOLOY alloy 800H	•	•	•	•	•
INCOLOY alloy 800HT	•	•	•	•	•
INCOLOY alloy 825	•	•	•	•	—
INCOLOY alloy 925	•	—	—	•	—
INCO alloy 020	•	•	•	—	—
INCO alloy 330	•	•	•	—	•
INCO alloy C-276	•	•	•	—	—
INCO alloy HX	•	—	•	—	•
NILO alloy 36	•	•	—	—	—
NILO alloy 365	•	•	—	—	—
NILO alloy 42	•	•	—	—	—
Nicrofer 59	—	•	•	—	—

— Not Available
• Available