

Nickel Chemical Properties Chart

Product Range	Equivalents Names (UNS)	Ni (Min)	Co (Max)	Cr	Mo	W	Fe (Max)	Si (Max)	Mn (Max)
Nickel 200	N02200	99	-	-	-	-	0.4	0.35	0.35
Nickel 201	N02201	99	-	-	-	-	0.4	0.35	0.35
Monel 400	N04400	63	-	-	-	-	2.5	0.5	2
Monel K500	N05500	63	-	-	-	-	2	0.5	1.5
Inconel 600	N06600	72	-	14-17	-	-	6-10	0.5	1
Inconel 601	N06601	58-63	-	21-25	-	-	Rest	0.5	1
Inconel 625	N06625	58	1	20-23	8-10	-	5	0.5	0.5
Incolloy 800	N08800	30-35	-	19-23.5	-	-	Rest	1	1.5
Incolloy 800H	N08810	30-35	-	19-23.5	-	-	Rest	1	1.5
Incolloy 825	N8825	38-46	-	19-23.5	2.5-3.5	-	Rest	0.5	1
Hastalloy B-2	N010665	Rest	1	1	26-30	-	2	0.1	1
Hastalloy C276	N10276	Rest	2.5	14-16.5	15-17	3-4.5	4-7	0.08	1
Hastalloy C-4	N06455	Rest	2	14-18	14-17	-	3	0.08	1
Hastalloy G3	N06985	Rest	5	21-23.5	6-8	1.5	18-21	1	1
Incolloy DS/Alloy 330	N08330	34.5-4	17-19	-	-	-	Rest	1.9-2.6	0.8-1.5
Alloy 20	N08020	32-38	-	19-21	2-3	-	Rest	1	2

Product Range	Equivalents Names (UNS)	C (Max)	Cu (Max)	Al (Max)	Ti (Max)	S (Max)	P (Max)
Nickel 200	N02200	0.01	0.25	-	-	0.01	-
Nickel 201	N02201	0.02	0.25	-	-	0.01	-
Monel 400	N04400	0.3	28-34	-	-	0.024	-
Monel K500	N05500	0.25	27-33	2.3-3.2	0.4-0.9	0.01	-
Inconel 600	N06600	0.15	0.5	-	-	0.015	-
Inconel 601	N06601	0.1	18-34	1.0-1.7	-	0.015	-
Inconel 625	N06625	0.1	-	0.4	0.4	0.015	0.015
Incolloy 800	N08800	0.1	0.75	.015-0.6	0.15-0.6	0.015	-
Incolloy 800H	N08810	0.05-0.1	0.75	.015-0.6	0.15-0.6	0.015	-
Incolloy 825	N8825	0.05	1.5-3	0.2	0.5-1.2	0.03	-
Hastalloy B-2	N010665	0.02	-	-	-	0.03	0.04
Hastolloy C276	N10276	0.01	-	-	-	0.03	0.04
Hastolloy C-4	N06455	0.015	-	-	0.7	0.03	0.04
Hastolloy G3	N06985	0.015	1.5-2.5	-	-	0.03	-
Incolloy DS/Alloy 330	N08330	0.1	0.5	-	0.2	0.03	-
Alloy 20	N08020	0.07	3-4	-	-	0.035	0.045