



NICKEL BASE ALLOYS CHEMICAL COMPOSITION

NICKEL BASE ALLOYS

NOMINAL CHEMICAL COMPOSITION, % (not for specification purposes)													
Nickel	Ni	C	Mn	Fe	S	Si	Cu	Cr	Co	Mo	Al	Ti	Other
Nickel	99.5	0.08	0.018	0.2	0.005	0.18	0.13	-	-	-	-	-	-
Nickel 201	99.5	0.01	0.018	0.2	0.005	0.18	0.13	-	-	-	-	-	-
Nickel 205	99.5	0.08	0.018	0.010	0.004	0.08	0.08	-	-	-	-	0.03 Mg	0.05
Nickel 212	97.7	0.010	2.0	0.05	0.005	0.05	0.03	-	-	-	-	-	-
Nickel 222	99.5	0.01	0.02	0.04	0.0025	0.01	0.01	0.01	0.06	0.01	0.01	Mg 0.08	-
Nickel 270	99.98	0.01	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.001	Mg <0.001	-
MONEL alloy 400	63.0 min	0.15	1.0	25max	0.024max	0.05max	31.0	-	-	-	-	-	-
MONEL alloy 500	63.0 min	0.015	1.5 max	2.0max	0.010max	0.5	30.0	-	-	-	2.9	0.6	-
Cast MONEL alloy	63.0 min	0.07	0.75	2.5max	0.02 max	0.04max	30.0	0.10max	-	0.20max	0.05max	0.01max	-
Cast MONEL alloy	63.0 min	0.03max	0.020max	2.5max	0.02max	0.04max	30.0	0.10	-	0.20max	0.05max	0.01max	-
INCONEL alloy 600	72.0MIN	0.15MAX	1.0MAX	8.0	0.015 max	0.05max	0.05 max	15.5	-	-	-	-	Nb + Ta
INCONEL alloy 625	60.5	0.10max	0.25	5.0max	0.015max	0.5 max	-	21.5	-	9.0	0.25	0.25	3.65
INCOLOY alloy 800	32.5	0.10max	1.5max	Bal.	0.015max	1.0max	0.75 max	21.0	-	-	0.38	0.38	-
INCOLOY alloy 825	42.0	0.05max	1.0max	Bal.	0.03 max	0.5max	2.25	21.5	-	3.0	0.20max	0.9	-
INCOLOY alloy 904	32.5	0.025	0.025	Bal.	0.015	0.25	0.25	-	14.5	-	0.1	1.6	-
INCOLOY alloy DS	37.0	1.2	1.2	Bal.	-	2.3 max	2.3 max	18.0	-	-	-	0.20	-
Hastalloy B	Rest/Bal	0.10	0.80	5.58	0.7	-	0.6	1.25	28	-	-	-	-
Hastalloy C	Rest/Bal	0.07	0.80	5.75	0.7	-	16.0	1.25	17 -	-	-	-	-
Hastalloy G Alloy	Rest/Bal	0.05	1.0-2.0	18.0-21.0	0.7	-	1.5	1.25	5.575	-	-	-	-
							21-23.5						

Prime Tube Impex

35/43, Sonarika Building, Chandawadi, Opp. 2nd Carpenter Street, Nanubhai Desai Road, Mumbai - 400004 (India)

E: sales@primetubeimpex.com / info@primetubeimpex.com | T: +91-22-66151931, 932 | W: primetubeimpex.com