

Alloy	UFP Code	Fe	C	Si	Mn	Cr	Mo	Ni	Co	Al	Cu	Others
304L	2113	Balance	≤ 0.03	≤ 1.0	≤ 2.0	18.0 - 20.0		8.0 - 12.0				
314	3130	Balance	≤ 0.25	1.5 - 3.0	≤ 2.0	23.0 - 26.0	≤ 0.50	19.0 - 22.0				
316L	3169	Balance	≤ 0.03	0.2 - 0.6	1.0 - 1.5	16.2 - 17.1	2.05 - 2.40	10.1 - 11.0				
316L MA	2350	Balance	≤ 0.03	0.4 - 0.6	1.2 - 1.5	42.3 - 43.6	5.2 - 5.7	25.8 - 26.8				
316L 3X MA	2390	Balance	≤ 0.03	≤ 1.0	≤ 0.5	51.6 - 53.4	6.6 - 7.9	37.0 - 39.0				
347	2234	Balance	0.04 - 0.08	≤ 1.0	≤ 2.0	17.0 - 19.0	≤ 0.75	9.0 - 13.0			≤ 0.75	Nb ≤ 1.1
410	2244	Balance	≤ 0.15	≤ 1.0	≤ 1.0	11.5 - 13.5						
420	2290	Balance	0.40 - 0.45	≤ 1.0	≤ 1.0	12.0 - 14.0						
420 MA	2386	Balance	0.80 - 1.00	≤ 1.5	≤ 2.0	49.0 - 51.0						
430L	2178	Balance	≤ 0.03	≤ 1.0	≤ 1.0	16.0 - 18.0						
440C	2176	Balance	1.00 - 1.15	≤ 1.0	≤ 1.0	16.0 - 18.0						
17-4PH	2114	Balance	≤ 0.07	≤ 0.5	≤ 0.5	15.5 - 17.5		3.5 - 4.5			3.5 - 4.5	Nb 0.15 - 0.45
17-4PH MA	2315	Balance	≤ 0.04	≤ 2.4	≤ 3.0	46.5 - 52.5		9.0 - 15.0			9.0 - 15.0	Nb 0.45 - 1.35
HK30	3133	Balance	0.40 - 0.50	0.75 - 1.75	≤ 1.5	23.0 - 27.0	≤ 0.5	19.0 - 22.0			≤ 0.03	V ≤ 0.20 W ≤ 0.20 Nb 1.20-1.50 Sn ≤ 0.20
FeCrAlY	2313	Balance	≤ 0.08	≤ 1.0	≤ 1.0	22.0 - 23.0				6.0 - 7.0		Y ≤ 0.1
Fe2Ni	2378	Balance	0.15-0.35	≤ 1.0			≤ 0.50	1.5-2.5				
Fe8Ni	2254	Balance	≤ 0.03	≤ 1.0	≤ 1.0			7.5-8.5				
4140	3175	Balance	0.38-0.43	0.15-0.35	0.75-0.9	0.9-1.1	0.15-0.25	≤ 0.25			≤ 0.25	
4340	2115	Balance	0.38 - 0.43	0.15 - 0.30	0.6 - 0.8	0.7 - 0.9	0.2 - 0.3	1.65 - 2.0				
SCM415	2203	Balance	0.13 - 0.18	0.15 - 0.35	0.6 - 0.85	0.9 - 1.2	0.15 - 0.30	≤ 0.25			≤ 0.3	
SCM440	2204	Balance	0.38 - 0.43	0.15 - 0.35	0.6 - 0.85	0.9 - 1.2	0.15 - 0.30	≤ 0.25			≤ 0.3	
D2	2195	Balance	1.40 - 1.60	≤ 0.6	≤ 0.6	11.0 - 13.0	0.7 - 1.2		≤ 1.0			V ≤ 1.10
M2	2133	Balance	0.78 - 1.05	0.2 - 0.45	0.15 - 0.4	3.75 - 4.5	4.5 - 5.5					V 1.75-2.20 W 5.5-6.75
T15	2191	Balance	1.50 - 1.60	0.15 - 0.4	0.15 - 0.4	3.75 - 5.0	≤ 1.0		4.75 - 5.25			V 4.5 - 5.25 W 11.75 - 13.00
H13	3195	Balance	0.32-0.45	0.8-1.2	0.20-0.5	4.75-5.5	1.1-1.75	≤ 0.3			≤ 0.25	V 0.8 - 1.2
1.2709 (M300)	2455	Balance	≤ 0.03	≤ 0.1	≤ 0.15	≤ 0.25	4.5-5.2	17.0-19.0	8.5-10.0			Ti 0.8 - 1.2
F15	2144	Balance	≤ 0.04	≤ 0.20	≤ 0.5	≤ 0.2	≤ 0.2	27.0 - 31.0	15.0 - 19.0	≤ 0.10	≤ 0.2	Mg ≤ 0.1 Zr ≤ 0.1 Ti ≤ 0.1
Fe30Ni	2340	Balance	≤ 0.03	≤ 1.0	≤ 1.0			29.0 - 31.0				
Fe30Ni6Mn	2402	Balance	≤ 0.4	≤ 0.1	4.5 - 5.6			30.0 - 30.5		0.05 - 0.10		
Fe-8Cr	2397	Balance	≤ 0.03	0.3 - 1.0	0.2 - 0.8	7.5 - 8.5	0.2 - 0.5					
Fe-30Cr	2126	Balance	≤ 0.05	≤ 1.0	≤ 1.0	27.0-33.0						
FeCoV (Permendur)	2125	Balance	Report	≤ 1.0				≤ 1.0	48.0 - 50.0			V 1.0 - 3.0
FeSiAl (Sendust)	2181	Balance	≤ 0.02	8.0 - 10.0						5.0 - 7.0		
Supermalloy	2468	13.2-15.2	≤ 0.02	0.05-0.25	0.3-0.7	≤ 0.15	4.5-4.5	Balance	≤ 0.1	≤ 0.02	≤ 0.2	

Alloy	UFP Code	Fe	C	Si	Mn	Cr	Mo	Ni	Co	Al	Cu	Others
Cu-Elec	3124	≤ 0.02	Report	≤ 0.02		≤ 0.02		≤ 0.02	≤ 0.02	≤ 0.02	Balance	Zn ≤ 0.02 Ag ≤ 0.02 Cd ≤ 0.02 Pb ≤ 0.02 Sn ≤ 0.02
Cu-MIM	3123	≤ 0.10	Report								Balance	Zn ≤ 0.02 Ag ≤ 0.02 Sn ≤ 0.02
CuNiSnP	3128	≤ 0.05	≤ 0.01	≤ 0.01	≤ 0.01			3.8 - 4.6			Balance	Zn 0.02 - 0.04 TAO ≤ 0.15 Sn 15.1 - 16.1
C18000	3212	≤ 0.15	≤ 0.01	0.4-0.8		0.1-0.8		1.8-3.0			Balance	
INC-625	2266	3.0-5.0	≤ 0.1	≤ 0.1	≤ 0.5	21.0-23.0	8.0-10.0	54-69	≤ 1.0	≤ 0.4	≤ 0.5	Nb 3.15 - 4.15 Ti ≤ 0.4
INC-713	2158	≤ 2.5	0.08 - 0.20	≤ 0.5	≤ 0.25	12.0 - 14.0	3.8 - 5.2	Balance	≤ 1.0	5.5 - 6.5	≤ 0.5	B 0.005 - 0.015 Zr 0.05 - 0.15 Nb 1.8 - 2.8 Ti 0.5 - 1.0
INC-718	2366	≤ 19.0	0.02 - 0.08	≤ 0.35	≤ 0.35	17.0 - 21.0	2.8 - 3.3	Balance	≤ 0.3	0.3 - 0.7	≤ 0.5	B 0.002 - 0.006 Nb 4.75 - 5.5 Ti 0.65 - 1.15
NiCoCrAlY	2389		≤ 0.03			15.0 - 19.0		Balance	20.0 - 26.0	12.0 - 14.0		Ti 0.35 - 0.65
Nimonic90	2365	≤ 1.0	≤ 0.13	≤ 0.3	≤ 0.3	18.0 - 21.0		Balance	15.0 - 21.0	1.0 - 2.0	≤ 0.2	B ≤ 0.02 Zr ≤ 0.15 Ti 2.0 - 3.0
Haynes 25	2371	≤ 3.0	0.05 - 0.15	≤ 0.40	1.2 - 2.0	19.0 - 21.0		9.0 - 11.0	Balance			W 14.0 - 16.0
F75	2465	≤ 0.1	≤ 0.25	0.3-0.9	0.3-0.9	27.0-30.0	5.0-7.0	≤ 0.1	Balance	≤ 0.1		Cd ≤ 0.02 B ≤ 0.01 Be ≤ 0.02 W ≤ 0.1 Ti ≤ 0.1
CoNiCrAlY	2344F	≤ 0.15	≤ 0.02			20.0 - 22.0		31.0 - 33.0	Balance	7.0 - 9.0		Y 0.35 - 0.65