Chemical Composition of Stainless Steel Plates & Sheets

不銹鋼鋼板化學成分表

Unit: mm

Standard & Grade		Chemical Composition (%) 化學成分									Others
		C 碳	Si 矽	Mn 錳	P 磷	S 硫	Ni 鎳	Cr 鉻	Mo 鉬	N 氮	
ASTM A240	304	≦0.080	≦0.75	≦2.00	≦0.045	≦0.030	8.0~11.0	18.0~20.0	-	≦0.10	
	304L	≦0.030	≦0.75	≦2.00	≦0.045	≦0.030	8.0~12.0	18.0~20.0	-	≦0.10	
	316	≦0.080	≦0.75	≦2.00	≦0.045	≦0.030	10.0~14.0	16.0~18.0	2.0~3.0	≦0.10	
	316L	≦0.030	≦0.75	≦2.00	≦0.045	≦0.030	10.0~14.0	16.0~18.0	2.0~3.0	≦0.10	
	321	≦0.080	≦0.75	≦2.00	≦0.045	≦0.030	9.0~12.0	17.0~19.0	-	≦0.10	Ti: 0.70max. 5(C+N)min.
	409	≦0.030	≦1.00	≦1.00	≦0.040	≦0.020	≦0.50	10.5~11.7	-	≦0.030	Ti: 0.50max. 6(C+N)min. Nb: 0.17max.
	439	≦0.030	≦1.00	≦1.00	≦0.040	≦0.030	≦0.50	17.0~19.0	-	≦0.030	Ti: 1.10max. 0.20 + 4(C+N)min. Al: 0.15max.
	430	≦0.120	≦1.00	≦1.00	≦0.040	≦0.030	≦0.75	16.0~18.0	-	-	
JIS G4304 G4305	SUS304	≦0.080	≦1.00	≦2.00	≦0.045	≦0.030	8.0~10.5	18.0~20.0	-	-	
	SUS304L	≦0.030	≦1.00	≦2.00	≦0.045	≦0.030	9.0~13.0	18.0~20.0	-	-	
	SUS316	≦0.080	≦1.00	≦2.00	≦0.045	≦0.030	10.0~14.0	16.0~18.0	2.0~3.0	-	
	SUS316L	≦0.030	≦1.00	≦2.00	≦0.045	≦0.030	12.0~15.0	16.0~18.0	2.0~3.0	-	
	SUS321	≦0.080	≦1.00	≦2.00	≦0.045	≦0.030	9.0~13.0	17.0~19.0	-	-	Ti: 5C min.
	SUS430	≦0.120	≦0.75	≦1.00	≦0.040	≦0.030	≦0.60	16.0~18.0	-	-	
EN 10028-7 10088-2 10088-4	1.4301	≦0.070	≦1.00	≦2.00	≦0.045	≦0.015	8.0~10.5	17.5~19.5	-	≦0.10	
	1.4307	≦0.030	≦1.00	≦2.00	≦0.045	≦0.015	8.0~10.5	17.5~19.5	-	≦0.10	
	1.4401	≦0.070	≦1.00	≦2.00	≦0.045	≦0.015	10.0~13.0	16.5~18.5	2.0~2.5	≦0.10	
	1.4404	≦0.030	≦1.00	≦2.00	≦0.045	≦0.015	10.0~13.0	16.5~18.5	2.0~2.5	≦0.10	
	1.4509	≦0.030	≦1.00	≦1.00	≦0.040	≦0.015	-	17.5~18.5	-	-	Ti: 0.1~0.6 Nb: 0.3+3*C~1.0
EN 10088-2 10088-4	1.4016	≦0.080	≦1.00	≦1.00	≦0.040	≦0.015	-	16.0~18.0	-	-	

Calculating Formula for the Value of Mass

不銹鋼鋼板重量計算公式表

Grade	Basic Mass (kg/mm · m²)	Calculating Formula for the Value of Mass Single Plate (kg)
304 / 304L	7.93	kg=7.93 (kg/mm · m²) x Thickness (mm) x Width (M) x Length (M)
316 / 316L	7.98	kg=7.98 (kg/mm · m²) x Thickness (mm) x Width (M) x Length (M)
409 / 439 / 430	7.70	kg=7.70 (kg/mm · m²) x Thickness (mm) x Width (M) x Length (M)