

Specified Mechanical Properties

Type	Grade	UNS No	Tensile Strength (MPa) min	Yield Strength (MPa) min	Elongation (% in 50mm) min	Hardness max	
						Rockwell (HR B)	Brinell (HB)
Austenitic	201	S20100	515	260	40	95	217
	202	S20200	620	260	40	-	241
	301	S30100	515	205	40	95	217
	302HQ	S30430	(450)	(205)	(70)	-	-
	303	S30300	-	-	-	-	262
	304	S30400	515	205	40	92	201
	304L	S30403	485	170	40	92	201
	304H	S30409	515	205	40	92	201
	304N	S30451	550	240	30	95	217
	309S	S30908	515	205	40	95	217
	310H	S31009	515	205	40	95	217
	310S	S31008	515	205	40	95	217
	316	S31600	515	205	40	95	217
	316L	S31603	485	170	40	95	217
	316H	S31609	515	205	40	95	217
	316N	S31651	550	240	35	95	217
	316Ti	S31635	515	205	40	95	217
	317L	S31703	515	205	40	95	217
	321	S32100	515	205	40	95	217
	347	S34700	515	205	40	92	201
904L	N08904	490	220	35	90	-	
Ferritic	409	S40900	380	207	20	95	207
	430	S43000	450	205	22	89	180
	430F	S43020	(552)	(380)	(25)	-	262
	444	S44400	415	275	20	96	217
	446	S44600	450	276	20	-	219
	2101	S32101	680	480	30	-	290
	2304	S32304	600	400	25	32HRC	290

Duplex	2205	S32205	620	450	25	31HRC	293
	329	S32900	620	485	15	28HRC	269
	2507	S32750	795	550	15	32HRC	310
	2507Cu	S32520	770	550	25	-	310
Martensitic	410	S41000	480	275	16	-	-
	416	S41600	(517)	(276)	(30)	-	262
	420	S42000	(655)	(345)	(25)	-	241
	431 (H&T)	S43100	850-1000	635	11	-	248-302
	440C	S44004	(758)	(448)	(14)	-	269
P.H	630 (H900)	S17400	1310	1170	10	40HRC min	388 min
	631 (CH900)	S17700	1585	-	-	-	-

