

Stainless Steel Properties

AISI Type	Unified #	C	Cr	Mn	Ni	P	S	Si	Mo	Rem.	Other	gm/cc Density	Hardness	Kpsi Tensile Strength	Kpsi Yield Strength
302	S30200	0.15 max	17.00-19.00	2.00 max	8.00-10.00	0.045 max	0.030 max	1.00 max	-	-	-	7.91	RC25-39	80-180	50-150
304	S30400	0.08 max	18.00-20.00	2.00 max	8.00-10.50	0.045 max	0.030 max	1.00 max	-	-	-	7.91	RC25-39	80-180	50-150
304L	S30403	0.03 max	18.00-20.00	2.00 max	8.00-12.00	0.045 max	0.030 max	1.00 max	-	-	-	7.91	RC25-39	80-180	40-150
316	S31600	0.08 max	16.00-18.00	2.00 max	10.00-14.00	0.045 max	0.030 max	1.00 max	2.00-3.00	-	-	7.97	RC25-39	80-180	40-150
316L	S31603	0.03 max	16.00-18.00	2.00 max	10.00-14.00	0.045 max	0.030 max	1.00 max	2.00-3.00	-	-	7.97	RC25-39	80-180	50-150
410	S41000	0.15 max	11.50-13.50	1.00 max	-	0.040 max	0.030 max	1.00 max	-	-	-	7.64	RC38-43	170-201	130-170
420	S42000	0.15 max	12.00-14.00	1.00 max	-	0.040 max	0.030 max	1.00 max	-	-	-	7.74	RC45-55	215-300	180-240
430	S43000	0.12 max	16.00-18.00	1.00 max	-	0.040 max	0.030 max	1.00 max	-	-	-	7.74	RB85-95	75	45
440C	S44004	0.95-1.20	16.00-18.00	1.00 max	-	0.040 max	0.030 max	1.00 max	0.75 max	-	-	7.67	RC58-62	270-300	260-290

This chart represents information from the Metal & Alloys in the Unified Numbering System 10th Edition book for determination of chemical conformance.

