

TYPICAL PHYSICAL PROPERTIES OF STAINLESS STEEL											
Type	UNS Designation	Density Mg/m <sup>3</sup>	lb/in. <sup>3</sup>	Elastic Modulus Gpa	10 <sup>6</sup> psi	Mean Coefficient of Thermal Expansion					
						um/m. °C	uin./in.°F				
						0 <sup>0</sup> to : 100 32°F to : 212	315 600	538 1000	100 212	315 600	538 1000
201	S20100	7.8	0,28	197	28.6	15.7	17.5	18.4	8.7	9.7	10.2
202	S20200	7.8	0.28			17.5	18.4	19.2	9.7	10.2	10.7
205	S20500	7.8	0.28	197	28.6		17.9	19.1		9.9	10.6
301	S30100	8	0.29	193	280	17	17.2	18.2	9.4	9.6	10.1
302	S30200	8	0.29	193	28	17.2	17.8	18.4	9.6	9.9	10.2
302B	S30215	8	0.29	193	28	16.2	18	19.4	9	10	10.8
303	S30300	8	0.29	193	28	17.2	17.8	18.4	9.6	9.9	10.2
304	S30400	8	0.29	193	28	17.2	17.8	18.4	9.6	9.9	10,2
304L	S30403	8	0.29								
S30460	S30430	8	0.29	193	28	17.2	17.8		9.6	9.9	
304N	S30451	8	0.29	196	28.5	17.2					
305	S30500	8	0.29	193	28	17.2	17.8	18.4	9.6	9.9	10.2
308	S30800	8	0.29	193	28	17,2	17.8	18.4	9.6	9.9	10.2
309	S30900	8	0.29	200	29	15	16.6	17.2	8.3	9.2	9.6
310	S31000	8	0.29	200	29	15.9	16.2	17	8.8	9	9.4
314	S31400	7.8	0.28	200	29		15.1			8.4	
316	S31600	8	0.29	193	28	15.9	16.2	17.5	8.8	9	9.7
316L	S31603	8	0.29								
316N	S31651	8	0.29	196	28.5						
317	S31700	8	0.29	193	28	15.9	16.2	17.5	8.8	9	9.7
317L	S31703	8	0.29	200	29	16.5	18.1		9.2		10.1
321	S32100	8	0.29	193	28	16.6	17.2	18.6	9.2	9.6	10.3
329	S32900	7.8	0.28								
330	No8330	8	0.29	196	28.5	14.4	16	16.7	8	8.9	9.3
347	S34700	8	0.29	193	28	16.6	17.2	18.6	9.2	9.6	10.3

B Lalbhai Co.

All sorts of – Pipes, Forged Fittings, Buttweld Fittings, Forged Flanges, and Valves for Industries

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						um/m. °C		uin./in.°F			
						0 <sup>0</sup> to : 100 32°F to : 212	315 600	538 1000	100 212	315 600	538 1000
384	S38400	8	0.29	193	28	17.2	17.8	18.4	9.6	9.9	10.2
405	S40500	7.8	0.28	200	29	10.8	11.6	12.1	6	6.4	6.7
409	S40900	7.8	0.28			11.7			6.5		
410	S4100	7.8	0.28	200	29	9.9	11.4	11.6	5.5	6.3	6.4
414	S41400	7.8	0.28	200	29	10.4	11	12.1	5.8	6.1	6.7
416	S41600	7.8	0.28	200	29	9.9	11	11.6	5.5	6.1	6.4
420	S42000	7.8	0.28	200	29	10.3	10.8	11.7	5.7	6	6.5
422	S42200	7.8	0.28			11.2	11.4	11.9	6.2	6.3	6.6
429	S42900	7.8	0.28	200	29	10.3			5.7		
430	S43000			200	29	10.4	11		5.8	6.1	6.3
430F	S43020	7.8	0.28			194	11		5.8	6.1	6.3
431	S43100	7.8	0.28	200	29	10.2	12.1		5.7	6.7	
434	S43400	7.8	0.28	200	29	10.4	11	11.4	5.8	6.1	6.3
436	S43600	7.8	0.28	200	29	9.3			5.2		
440A	S44002	7.8	0.28	200	29	10.2			5.7		
4400	S44004	7.8	0.28	200	29	10.2			5.7		
444	S44400	7.8	0.28	200	29	10	10.6	11.4	5.6	5.9	6.3
14e	S44600	7.5	0.27	200	29	10.4	10.8	11.2	5.8	6	6.2
PH 13-8Mo	S13800	7.8	0.28	203	29.4	10.6	11.2	11.9	5.9	6.2	6.6
15-5 PH	S15500	7.8	0.28	196	28.5	10.8	11.4		6	6.3	
14-4 PH	S17400	7.8	0.28	196	28.5	10.8	11.6		6	6.4	
17-7 PH	S17700	7.8	0.28	204	29.5	11	11.6		6.1	6.4	

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