

Typical Physical Properties

Grade	UNS No.	Density kg/m ³	Elastic Modulus (a) GPa	Mean Coefficient of Thermal Expansion (b)			Thermal Conductivity		Specific Heat 0-100°C J/kg.K	Elect. Resis- tivity nΩ.m
				0-100°C µm/m/°C	0-315°C µm/m/°C	0-538°C µm/m/°C	at 100°C W/m.K	at 500°C W/m.K		
201	S20100	7800	197	15.7	17.5	18.4	16.2	21.5	500	690
202	S20200	7800	-	17.5	18.4	19.2	16.2	21.6	500	690
301	S30100	8000	193	17.0	17.2	18.2	16.2	21.5	500	720
302HQ	S30430	8000	193	17.2	17.8	18.8	16.3	21.5	500	720
303	S30300	8000	193	17.3	17.8	18.4	16.2	21.5	500	720
304	S30400	8000	193	17.2	17.8	18.4	16.2	21.5	500	720
304L	S30403	8000	193	17.2	17.8	18.4	16.2	21.5	500	720
304H	S30409	8000	193	17.2	17.8	18.4	16.2	21.5	500	720
304N	S30451	8000	196	17.2	17.8	18.4	16.3	21.5	500	720
309S	S30908	8000	200	15.0	16.6	17.2	15.6	18.7	500	780
310H	S31009	7750	200	15.9	16.2	17.0	14.2	18.7	500	720
310S	S31008	7750	200	15.9	16.2	17.0	14.2	18.7	500	720
316	S31600	8000	193	15.9	16.2	17.5	16.3	21.5	500	740
316L	S31603	8000	193	15.9	16.2	17.5	16.3	21.5	500	740
316H	S31609	8000	193	15.9	16.2	17.5	16.3	21.5	500	740
316N	S31651	8000	196	15.9	16.2	17.5	14.4	-	500	740
316Ti	S31635	8000	193	15.9	16.2	17.5	16.3	21.5	500	740
317L	S31703	8000	200	16.5	17.0	18.1	14.4	-	500	790
321	S32100	8000	193	16.6	17.2	18.6	16.1	22.2	500	720
347	S34700	8000	193	16.6	17.2	18.6	16.1	22.2	500	720
904L	N08904	8000	200	15.0	-	-	13.0	-	500	850
409	S40900	7600	208	11.0	11.7	12.4	25.8	27.5	460	600
430	S43000	7750	200	10.4	11.0	11.4	23.9	26.0	460	600
430F	S43020	7750	200	10.4	11.0	11.4	26.1	26.3	460	600
444	S44400	7800	200	10.0	10.6	11.4	26.8	-	420	620
446	S44600	7800	200	10.4	10.8	11.2	20.9	24.4	500	670
2101	S32101	7800	200	13.0	14.0	-	16.0	-	500	800
2304	S32304	7800	200	13.0	-	-	16.0	-	470	850
2205	S32205	7805	200	13.7	14.7	-	19.0	-	450	850
329	S32900	7800	186	10.1	11.5	-	-	-	460	750
2507	S32750	7800	200	13.0	14.0	-	17.0	-	470	-
2507Cu	S32520	7810	205	13.5	14.0	14.5	17.0	-	450	850
410	S41000	7750	200	9.9	11.4	11.6	24.9	28.7	460	570
416	S41600	7750	200	9.9	11.0	11.6	24.9	28.7	460	570
420	S42000	7750	200	10.3	10.8	11.7	24.9	-	460	550
431	S43100	7750	200	10.2	12.1	-	20.2	-	460	720

440C	S44004	7650	200	10.1	10.3	11.7	24.2	-	460	600
630	S17400	7750	196	10.8	11.6	-	18.4	22.7	460	800
631	S17700	7800	204	11.0	11.6	-	16.4	21.8	460	830