



SHREE PADMAVATI
METAL & ALLOYS

DEALERS & STOCKISTS OF FERROUS & NON-FERROUS METALS

PHYSICAL AND MECHANICAL OF STAINLESS STEEL SHEET

MATERIAL GRADE	MECHANICAL PROPERTIES					PHYSICAL PROPERTIES						
	Tensile Strength	Yield Strength Mpa (Min)	% Elongation	Hardness BHN (Max)	Hardness RB (Max)	Density gm/cm ³	Modulus of elasticity	Specific Heat Capacity	Thermal Conductivity	Specific electrical resistance	coefficient of thermal expansion	Melting range (C)
301	515	205	40	217	95	7,9	19700	0,12	0,39	72	19,8	1400-1420
304	515	205	40	201	92	7,9	19700	0,12	0,39	72	18,4	1400-1455
304L	485	170	40	201	92	7,9	19700	0,12	0,39	72	18,4	1400-1455
310S	515	205	40	217	95	7,9	20300	0,12	0,33	80	16,9	1400-1455
316	514	205	40	217	95	8	19700	0,12	0,0373	74	16	13700-1400
316L	485	170	40	217	95	8	19700	0,12	0,0373	74	6	1370-1400
321	515	205	40	217	95	-	-	-	-	-	-	-
409	380	205	20	179	88	7,7	20300	0,11	0,0595	57	11,52	1430-1510
409M	450	275	20	187	90	-	-	-	-	-	-	-
410S	415	205	22	183	89	-	-	-	-	-	-	-
420	690	-	15	217	96	-	-	-	-	-	-	-
430	450	205	22	183	89	7,7	0,11	0,11	0,0625	60	11,34	1430-1510



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