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Composição química e propriedades mecânicas

COMPOSIÇÃO QUÍMICA (%)									PROPRIEDADE MECÂNICA			
TP (AIS)	C (max.)	Mn (max.)	P (max)	S (max.)	Si (max.)	Cr (min.) (max.)	Ni (min.) (max.)	Outros Elementos	Mpa (kgf/mm ²)		Along. (%) em 2" (min.)	Dureza HRB (max.)
									Limite de Resistência (min.)	Limite de Escoamento (min.)		
304	0,080	2,0	0,045	0,030	1,00	18,0 20,0	8,0 11,0		515 52,6	205 21,0	35	90
304L	0,035	2,00	0,045	0,030	1,00	18,0 20,0	8,0 13,0		485 49,5	170 17,4	35	90
304H	0,040 0,100	2,00	0,045	0,030	1,00	18,0 20,0	8,0 11,0		515 52,6	205 21,0	35	90
309	0,150	2,00	0,045	0,030	1,00	22,0 24,0	12,0 15,0		515 52,6	170 17,4	35	90
309S	0,080	2,00	0,045	0,030	1,00	22,0 24,0	12,0 15,0	Mo=0,75 max	515 52,6	205 21,0	35	90
310	0,150	2,00	0,045	0,030	1,00	24,0 26,0	19,0 22,0		515 52,6	205 21,0	35	90
310S	0,080	2,00	0,045	0,030	1,00	24,0 26,0	19,0 22,0	Mo=0,75 max	515 52,6	205 21,0	35	90
314	0,250	2,00	0,045	0,030	1,50 3,00	23,6 26,0	19,0 22,0		515 52,6	205 21,0	35	90
316	0,080	2,00	0,045	0,030	1,00	16,0 18,0	11,0 14,0	Mo=2,00-3,00	515 52,6	205 21,0	35	90
316L	0,035	2,00	0,045	0,030	1,00	16,0 18,0	10,0 14,0	Mo=2,00-3,00	485 49,5	170 17,4	35	90
316TI	0,080	2,00	0,045	0,030	1,00	16,0 18,0	10,0 14,0	Mo=2,00-3,00 Ti=5x(C+n)min. - 0,70max	515 52,6	205 21,0	35	90
317L	0,035	2,00	0,045	0,030	1,00	18,0 20,0	11,0 15,0	Mo=3,00-4,00	515 52,6	205 21,0	35	90
321	0,080	2,00	0,045	0,030	1,00	17,0 19,0	9,0 12,0	Ti=5xC-0,70 max.	515 52,6	205 21,0	35	90
321H	0,040 0,100	2,00	0,045	0,030	1,00	17,0 19,0	9,0 12,0	Ti=4xCmin. 0,60 max.	515 52,6	205 21,0	35	90
347	0,080	2,00	0,045	0,030	1,00	17,0 19,0	9,0 13,0	Nb+Ta=10xC-1,00 max.	515 52,6	250 21,0	35	90
444	0,025	1,00	0,040	0,030	1,00	17,5 19,5	1,00	Mo=1,75-2,50	415 42,3	205 21,0	20	90
446	0,200	1,50	0,040	0,030	1,00	23,0 27,0	0,75max	N 0,25	485 49,44	275 28,0	20	95
904L	0,020	1,80	0,025	0,015	0,50	20,0	25,0	Mo=4,50 Cu=1,50	500 50,9	220 22,4	35	90