

THE PROPERTY OF TYPE STAINLESS STEEL STRIPS

Material	Condition	Tensile strength σ_b (MPa)	Yield strength $\sigma_{0.2}$ (MPa)	Elongation δ (%)	Hardness HV	Overseas Material
1Cr17	annealed	≥ 450	≥ 205	≥ 22	≤ 200	SUS430
	H	≥ 650			≥ 280	
3 Cr13 4 Cr13 4 Cr13Mo	annealed	≥ 540	≥ 225	≥ 18	≤ 247	SUS420J2
	quench+temper I				410~460	
	quench+temper II				460~510	
	quench+temper III				490~540	
0Cr16Ni14	annealed	≥ 445		≥ 40		S12S1 S12S2
	1/4H	≥ 650		≤ 25		
	H	≥ 1000		≤ 5		
1Cr17Mn6Ni5N 1Cr18Mn8Ni5N	annealed	≥ 635	≥ 245	≥ 40	≤ 253	SUS201 SUS202
	1/8H	≥ 690	≥ 380	≥ 40	\geq	
	1/4H	≥ 860	≥ 515	≥ 25	\geq	
	1/2H	≥ 1030	≥ 760	≥ 15	\geq	
	3/4H	≥ 1205	≥ 930	≥ 10	\geq	
	H	≥ 1275	≥ 960	≥ 8	\geq	
1Cr17Ni7	annealed	≥ 520	≥ 205	≥ 40	≤ 200	SUS301
	1/8H	≥ 690	≥ 380	≥ 40	\geq	
	1/4H	≥ 860	≥ 515	≥ 25	\geq	
	1/2H	≥ 930	≥ 760	≥ 15	≥ 310	
	3/4H	≥ 1130	≥ 930	≥ 10	≥ 370	
	H	≥ 1320	≥ 1030	≥ 8	≥ 430	
	EH	≥ 1570	≥ 1275	≥ 1	≥ 490	
0Cr18Ni9	annealed	≥ 490	≥ 205	≥ 40	≤ 200	SUS304
	1/2H	≥ 780	≥ 470	≥ 6	≥ 250	
	3/4H	≥ 930	≥ 665	≥ 3	≥ 310	
	H	≥ 1130	≥ 870		≥ 370	
0Cr18Ni12	annealed	≥ 480	≥ 175	≥ 40	≤ 200	SUS305
	H	≥ 1000			≥ 300	
0Cr17Ni14Mo2 00Cr17Ni14Mo2	annealed	≥ 480	≥ 205	≥ 40	≤ 200	SUS316
	H	≥ 1130				SUS316L
1Cr18Ni9Ti	annealed	≥ 540	≥ 205	≥ 40	≤ 200	SUS321
	1/2H	≥ 735		≥ 20		
	H	≥ 885		≥ 7		
0Cr17Ni7Al 0Cr15Ni7Mo2Al	annealed	≤ 1030	≤ 380	≥ 20	≤ 240	SUS631
	1/2H	≥ 1080		≥ 5	≥ 350	SUS632
	3/4H	≥ 1180			≥ 400	
	H	≥ 1420			≥ 450	

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