

Typical Mechanical Properties of Stainless Steel Pipe/Tube

Grade	Mechanical Properties, min							Hardness Test, max.	
	Tensile Strength. min. Ksi (Mpa)	Yield Point min. Ksi (Mpa)	Elongation, % (G.L. : 2in or 50 mm)				Round Specimen	Brinell	Rockwell
			Full Section Specimen	Strip Specimen					
				t ≥ 6/16in	t ≤ 5/16in				
TP 304	75 (515)	30(205)	35	35	56t + 17.50	28	192	B 90	
TP 304 H	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 304 L	70 (485)	25 (170)	35	35	56t + 17.50	28	192	B 90	
TP 304 N	80 (550)	35 (240)	35	35	56t + 17.50	28	192	B 90	
TP 304 LN	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 309	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 310	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 316	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 316 H	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 316 L	70 (485)	25 (170)	35	35	56t + 17.50	28	192	B 90	
TP 316 N	80 (550)	35 (240)	35	35	56t + 17.50	28	192	B 90	
TP 316 LN	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 317	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 321	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 321 H	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 347	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 347 H	75 (515)	30 (205)	35	35	56t + 17.50	28	192	B 90	
TP 405	60 (414)	30 (207)	20	20	* 2	—	207	B 95	
TP 410	60 (414)	30 (207)	20	20	* 2	—	207	B 95	
TP 429	60 (414)	35 (241)	20	20	* 2	—	190	B 90	
TP 430	60 (414)	35 (241)	20	20	* 2	—	190	B 90	
TP 443	70 (483)	40 (276)	20	20	* 2	—	207	B 95	
TP 446	70 (483)	40 (276)	18	18	* 2	—	207	B 95	
TP 329	90 (621)	70 (483)	20	20	* 2	—	271	C 28	
TP 409	60 (414)	30 (207)	20	20	* 2	—	207	B 95	
TP XM-8	60 (414)	30 (207)	20	20	* 2	—	190	B 90	
TP 316 TI	75 (515)	30 (205)	35	35	56t + 17.50	28	190	B 90	