



TABLE 4 Continued

Type	Condition	Suggested Hardening and/or Aging Treatment ^{a,c,d}		Applicable Thickness, in. & Test Direction ^E	Tensile Strength, min		Yield Strength, min ^F		Elongation in 2 in. [50 mm] or 4D, min %	Hardness ^G		Impact Charpy-V, min	
		Temp, °F [°C]	Time, h		ksi	[MPa]	ksi	[MPa]		Rockwell C, min	Brinell, min	ft-lbf	J
H950	air cool	950 [510]	4.0	Up to 6 in. incl [150 mm] (T)					4				
				Up to 6 in. incl [150 mm] (L)	220	[1515]	205	[1410]	10	44	415	...	...
				Up to 6 in. incl [150 mm] (T)					5				
				Up to 6 in. incl [150 mm] (L)									
H1000	air cool	1000 [540]	4.0	Up to 6 in. incl [150 mm] (L)	205	[1410]	185	[1275]	10	40	363	...	...
				Up to 6 in. incl [150 mm] (T)					6	25			
				Up to 6 in. incl [150 mm] (L)									
				Up to 6 in. incl [150 mm] (T)									
H900	air cool	900 [480]	4.0	Up to 12 in. incl [300 mm] (L)	180	[1240]	170	[1170]	10	40	363	...	...
				Up to 12 in. incl [300 mm] (T)					6	20			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H950	air cool	950 [510]	4.0	Up to 12 in. incl [300 mm] (L)	170	[1170]	160	[1100]	10	40	341	...	...
				Up to 12 in. incl [300 mm] (T)					7	22			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H1000	air cool	1000 [540]	4.0	Up to 12 in. incl [300 mm] (L)	160	[1100]	150	[1035]	12	45	331	...	...
				Up to 12 in. incl [300 mm] (T)					8	27			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H1025	air cool	1025 [550]	4.0	Up to 8 in. incl [200 mm]	150	[1035]	140	[965]	12	45	321	...	...
				Up to 12 in. incl [300 mm] (L)	145	[1000]	135	[930]	12	45	321	...	...
				Up to 12 in. incl [300 mm] (T)					9	30			
				Up to 12 in. incl [300 mm] (L)									
H1100	air cool	1100 [595]	4.0	Up to 12 in. incl [300 mm] (L)	130	[895]	105	[725]	16	50	285	...	...
				Up to 12 in. incl [300 mm] (T)					11	30			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H1150	air cool	1150 [620]	4.0	Up to 12 in. incl [300 mm] (L)	125	[860]	75	[515]	18	55	262	...	...
				Up to 12 in. incl [300 mm] (T)					12	35			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H950	air or oil	950 [510]	4.0	Up to 12 in. incl [300 mm] (L)	240	[1655]	220	[1515]	10	45	444	...	...
				Up to 12 in. incl [300 mm] (T)					8	35			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H1000	air or oil	1000 [540]	4.0	Up to 12 in. incl [300 mm] (L)	220	[1515]	200	[1380]	10	50	430	...	...
				Up to 12 in. incl [300 mm] (T)					10	40			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H1025	air or oil	1025 [560]	4.0	Up to 12 in. incl [300 mm] (L)	210	[1450]	195	[1345]	12	50	415	...	...
				Up to 12 in. incl [300 mm] (T)					11	45			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									
H1050	air or oil	1050 [565]	4.0	Up to 12 in. incl [300 mm] (L)	200	[1380]	185	[1280]	13	50	400	...	...
				Up to 12 in. incl [300 mm] (T)					12	45			
				Up to 12 in. incl [300 mm] (L)									
				Up to 12 in. incl [300 mm] (T)									