

HASTELLOY[®] S alloy

Hardness

Room Temperature*

Form	Aging Temperature		Aging Time	Hardness	
	°F	°C	h	HRA	
Sheet	Solution-annealed		-	52	
	1000	538	1000	64	
			4000	66	
			8000	65	
			16000	67	
	1200	649	1000	56	
			4000	55	
			8000	56	
			16000	55	
	1400	760	1000	54	
			4000	54	
			8000	53	
			16000	54	
	Plate	Solution-annealed		-	57
		800	427	1000	57
				4000	52
8000				52	
16000				56	
1000		538	1000	64	
			4000	63	
			8000	65	
			16000	67	
1200		649	1000	57	
			4000	55	
			8000	56	
			16000	57	
1400		760	1000	57	
			4000	57	
			8000	56	
			16000	57	
1600		871	1000	56	
			4000	56	
			8000	54	
	16000		54		
All Weld Metal**	As-Welded		-	56	
	1000	538	1300	64	
			4000	66	
	1200	649	1000	55	
			4000	59	
			8000	57	
			16000	58	

*Single tests from a single hear for each form **Gas tungsten arc welded
HRA = Hardness Rockwell "A"