

HAYNES[®] HR-235[®] alloy

Creep and Stress Rupture Strength

HR-235[®] Solution Annealed Plate*

Temperature		Creep %	Approximate Initial Stress to Produce Specified Creep in:			
°F	°C		100 h		1000 h	
			ksi	MPa	ksi	MPa
1000	538	1	57	393	45	310
		Rupture	81	558	58	400
1100	593	1	40	276	30	207
		Rupture	56	386	38	262
1200	649	1	27	186	19	131
		Rupture	38	262	24	165
1300	704	1	17	117	11	76
		Rupture	25	172	15	103
1400	760	1	10	69	6	41
		Rupture	16	110	9	62
1500	816	1	6	41	4	28
		Rupture	10	69	6	41
1600	871	1	4	28	2	14
		Rupture	6	41	4	28
1700	927	1	2	14	1	7
		Rupture	4	28	2	14

*Preliminary data