

HAYNES[®] R-41 alloy

Creep-Rupture

HAYNES[®] R-41 Sheet, Age-Hardened*

Temperature		Creep	Approximate Initial Stress to Produce Specified Creep in			
			100h		1,000h	
°F	°C	%	ksi	MPa	ksi	MPa
1200	649	1	105	724	84	579
		R	110	758	90	621
1300	704	1	75	517	59	407
		R	85	586	68	469
1400	760	1	53	365	34	234
		R	63	434	43	296
1500	816	1	32	221	18	124
		R	39	269	24	165
1600	871	1	17	117	9.0	62
		R	23	159	13	90
1700	927	1	8.4	58	4.6	32
		R	13	90	6.5	45

*Samples were age hardened by heat treating at 2050°F (1121°C) /30 min./RAC + 1650°F (899°C) /4h/AC