

Rupture Strength

Average Extrapolated 100,000 Hour Rupture Strength, ksi - Extrapolated

Alloy	Temperature, °F								
	1000	1100	1200	1300	1400	1500	1600	1700	1800
446	-	2.3	1.8	-	0.74	-	0.27	-	0.14
304L	19.5	11.6	6.9	4.1	2.4	1.45	-	-	-
304, 304H	25.8	15.8	9.8	6.0	3.7	2.3	-	-	-
316L	34.5	18.5	10.1	5.5	3.0	1.6	-	-	-
321	-	16.5	8.7	4.6	2.45	1.27	-	-	-
321H	29	17.4	10.3	6.1	3.6	2.1	-	-	-
347, 347H	37.5	20.8	11.5	6.4	3.55	1.95	-	-	-
RA 253 MA [®]	-	15	8.7	4.6	2.9	2.1	1.45	0.97	0.7
RA 602 CA [®]	-	-	20.3	-	5.8	-	1.75	1.1	0.74
RA330 [®]	20	12	7.8	4.8	2.7	1.65	1.0	0.58	0.33
800 H/AT	-	-	13	8.0	5.3	3.7	2.5	1.2	0.8
RA333 [®]	-	-	11.5	8.4	6.5	3.7	1.9	1.05	0.58
601	-	-	-	6.8	4.0	-	-	-	0.7

*NOTE: In our opinion it is not good engineering practice to extrapolate data to 100,000 hours at temperatures above 1800°F.
This data is for general interest only.