

MULTIMET[®] alloy

Creep and Stress-Rupture Data

MULTIMET[®] Sheet, Solution Annealed

Temperature		Creep	Approximate Initial Stress to Produce Specified Creep in					
			10 Hours		100 Hours		1,000 Hours	
°F	°C	%	ksi	MPa	ksi	MPa	ksi	MPa
1200	649	0.5	42	290	33	228	25	172
		1	48	331	37	255	29	200
		R	58	400	48	331	40	276
1300	704	0.5	30	207	23	159	17.5	121
		1	36	248	27.5	190	21	145
		R	46	317	37.5	259	29	200
1400	760	0.5	21.5	148	15.5	107	11	76
		1	26	179	19	131	14	97
		R	36	248	26	179	19	131
1500	816	0.5	15.5	107	11.5	79	8.0	55
		1	18.5	128	13.5	93	9.5	66
		R	26	179	18.5	128	13	90
1600	871	0.5	12.0	83	7.8	54	4.9	34
		1	13.2	91	9.2	63	6.0	41
		R	18.5	128	12	83	7.6	52
1700	927	0.5	7.5	52	4.8	33	2.8	19
		1	9.0	62	5.8	40	3.4	23
		R	12	83	7.8	54	4.7	32
1800	982	0.5	5.0	34	2.5	17	1.3	8.6
		1	5.8	40	3.1	21	1.6	11
		R	8.5	59	4.6	32	2.6	18