

ULTIMET[®] alloy

Tensile Strength and Elongation

Form	Test Temperature		Thickness/ Bar Diameter		0.2% Offset Yield Strength		Ultimate Tensile Strength		Elongation
	°F	°C	in	mm	ksi	MPa	ksi	Mpa	
Sheet	RT	RT	0.063	1.6	72	496	138	951	42
Sheet	200	93	0.063	1.6	58	400	135	931	50
Sheet	400	204	0.063	1.6	45	310	134	924	62
Sheet	600	316	0.063	1.6	43	296	130	896	75
Sheet	800	427	0.063	1.6	41	283	120	827	76
Plate	RT	RT	0.25-1.5	6.4-38.1	79	545	148	1020	36
Plate	200	93	0.25-1.5	6.4-38.1	70	483	143	986	40
Plate	400	204	0.25-1.5	6.4-38.1	55	379	143	986	61
Plate	600	316	0.25-1.5	6.4-38.1	48	331	138	951	70
Plate	800	427	0.25-1.5	6.4-38.1	45	310	133	917	70
Plate	1000	538	0.25-1.5	6.4-38.1	38	262	125	862	70
Plate	1200	649	0.25-1.5	6.4-38.1	37	255	99	683	66
Plate	1400	790	0.25-1.5	6.4-38.1	39	269	76	524	70
Plate	1600	871	0.25-1.5	6.4-38.1	28	193	51	352	77
Plate	1800	982	0.25-1.5	6.4-38.1	16	110	31	214	100
Bar	RT	RT	0.5-2.0	12.7-50.8	76	524	147	1014	38
Bar	200	93	0.5-2.0	12.7-50.8	70	483	140	965	49
Bar	400	204	0.5-2.0	12.7-50.8	52	359	140	965	66
Bar	600	316	0.5-2.0	12.7-50.8	44	303	132	910	77
Bar	800	427	0.5-2.0	12.7-50.8	43	296	131	903	84
Bar	1000	538	0.5-2.0	12.7-50.8	40	276	114	793	79

RT= Room Temperature