

HAYNES<sup>®</sup> 188 alloy

Tensile Properties

**Hot-Rolled and Solution-annealed Plate**

Test Temperature		0.2% Yield Strength		Ultimate Tensile Strength		Elongation
°F	°C	ksi	MPa	ksi	MPa	%
RT	RT	70.1	483	143.8	991	50.6
1000	538	45.7	315	120.6	832	60.3
1200	649	45.1	311	121.6	838	62.8
1400	760	43.6	301	84.1	580	85.6
1600	871	37.1	256	49.5	341	97.9
1800	982	19.2	132	27.2	188	102.6
2000	1093	9.6	66	13.9	96	87.1

**Cold-Rolled and Solution-annealed Sheet**

Test Temperature		0.2% Yield Strength		Ultimate Tensile Strength		Elongation
°F	°C	ksi	MPa	ksi	MPa	%
RT	RT	70.1	483	142.4	982	50.9
1000	538	44.8	309	117.4	809	58.8
1200	649	44.8	309	119.1	821	58.6
1400	760	43.8	302	81.6	563	81.8
1600	871	37.8	261	47.0	324	103.9
1800	982	18.2	125	25.4	175	81.0
2000	1093	8.5	59	12.4	85	49.7