

HAYNES[®] 230[®] alloy

Tensile Properties

Tensile Properties of 230[®] Sheet

Test Temperature		0.2% Yield Strength		Ultimate Tensile Strength		Elongation
°F	°C	ksi	MPa	ksi	MPa	%
70	21	60.4	417	121.4	837	47.3
1000	538	42.6	294	100.1	690	51.7
1200	649	42.2	291	96.6	666	56.9
1400	760	45.1	311	78.0	538	59.5
1600	871	34.2	236	44.6	308	74.2
1800	982	17.8	123	24.5	169	54.1
2000	1093	10.0	69	13.1	90	37.0

Tensile Properties of 230[®] Plate

Test Temperature		0.2% Yield Strength		Ultimate Tensile Strength		Elongation
°F	°C	ksi	MPa	ksi	MPa	%
70	21	55.5	383	123.6	852	46.0
1000	538	38.1	263	102.5	706	53.2
1200	649	38.7	267	98.2	677	53.0
1400	760	37.7	260	77.2	533	68.0
1600	871	33.9	234	45.1	311	94.0
1800	982	16.8	116	24.3	168	91.2
2000	1093	9.1	63	13.2	91	92.1

Comparison of Yield Strengths (Plate)

