

HAYNES[®] Waspaloy alloy

Typical Tensile Properties

Test Temperature		0.2% Yield Strength		Ultimate Tensile Strength		4D Elongation
°F	°C	ksi	MPa	ksi	MPa	%
RT	RT	130.4	899	189.2	1304	24.5
400	204	118.9*	820*	183.2*	1263*	24.4*
800	427	120.4*	830*	171.6*	1183*	22.6*
1000	538	117.8	812	170.4	1175	22.0
1200	649	113.8	784	164.9	1137	31.9
1400	760	102.4	706	119.2	822	32.8
1500	816	75.0	517	91.9	633	39.7
1600	871	51.8	357	66.2	456	48.0
1700	927	30.5	210	43.1	297	57.7
1800	982	19.2	132	25.2	174	57.8
2000	1093	4.5*	31*	7.4*	51*	135.5*

* Limited data

Samples were age hardened by treating at 1825°F (995°C)/2 Hr./AC + 1550°F (845°C)/4 Hr./AC + 1400°F (760°C)/16 Hr./AC