

HAYNES[®] 233[™] alloy

Tensile Properties (Age-Hardened)

HAYNES[®] 233[™] alloy can be age-hardened to increase strength at temperatures below the gamma-prime solvus. The data below was from HAYNES[®] 233[™] sheet material age-hardened at 1650°F/4h/AC + 1450°F/8h/AC (899°C/4h/AC + 788°C/8h/AC).

Temperature		0.2% Yield Strength		Ultimate Tensile Strength		Elongation
°F	°C	ksi	MPa	ksi	MPa	%
RT	RT	112.9	778	172.2	1187	27.3
1000	538	102.2	704	147	1014	25.8
1200	649	95.5	658	156.6	1079	25.5
1400	760	97.4	671	116.5	804	27.4
1500	816	82	565	92.3	637	21.6