

Hastelloy

W

UNS N10004

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Nickel

Molybdenum

Iron

Chromium

www.arialloy.com/hastelloy-w/

• Chemical Composition •

S%	Si%	C%	Mn%	P%	Co%
≤ 0.030	≤ 1.00	≤ 0.12	≤ 1.00	≤ 0.040	≤ 2.50
V%	W%	Fe%	Mo%	Cr%	Ni%
≤ 0.60	≤ 1.0	4.0 ~ 7.0	23.0 ~ 26.0	4.0 ~ 6.0	Balance

• Mechanical Properties •

Product	Temperature	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
All	All	965	520	51	...	...

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.325	9.00	2350 ~ 2510	1290 ~ 1375

• Main Standards •

Bar & Wire	Bar, Rings and Forgings	Welding Products
SAE AMS 5786	SAE AMS 5755	AWS A5.14/ ERNiMo-3