

Hastelloy N

UNS N10003

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Nickel

Molybdenum

Chromium

Iron

www.arialloy.com/hastelloy-n/

• Chemical Composition •

Cr%	Fe%	C%	Si%	Co%	Mn%	W%	V%
6.0 ~ 8.0	≤ 5.0	0.04 ~ 0.08	≤ 1.00	≤ 0.20	≤ 1.00	≤ 0.50	≤ 0.50
Mo%	P%	S%	Al% + Ti%	Cu%	B%	Ni%	
15.0 ~ 18.0	≤ 0.015	≤ 0.020	≤ 0.50	≤ 0.35	≤ 0.010	Balance	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
Bar & Rod	All	690	280	35	...	...
Sheet, Plate & Strip	All	690	280	40	...	...

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.320	8.86	2375 ~ 2550	1300 ~ 1400

• Main Standards •

Billet, Rod & Bar	Plate, Sheet & Strip	Fittings	Forgings	Welding Products
ASTM B573 ASME SB 573 SAE AMS 5771	ASTM B434 ASME SB 434 SAE AMS 5607	ASTM B366 ASME SB 366	SAE AMS 5771	AWS A5.14/ ERNiMo-2