

Incoloy 890

UNS N08890

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Nickel

Iron

Chromium

www.arialloy.com/incoloy-890/

• Chemical Composition •

Ni%	Cr%	Fe%	Mn%	C%	Cu%	Si%
40.0 ~ 45.0	23.5 ~ 28.5	Balance	≤ 1.5	0.06 ~ 0.14	≤ 0.75	1.0 ~ 2.0
S%	Al%	Ti%	Mo%	Nb%	Ta%	
≤ 0.015	0.05 ~ 0.60	0.15 ~ 0.60	1.0 ~ 2.0	0.2 ~ 1.0	0.10 ~ 0.60	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
Seamless Pipe & Tube	Annealed	520	205	35	...	...
Bar & Rod	Annealed	520	205	35	...	...
Sheet, Strip & Plate	Annealed	520	205	35	...	...

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.287	7.94	2388 ~ 2522	1309 ~ 1383

• Main Standards •

Rod, Bar, Wire, Forgings & Forging Stock	Plate, Sheet & Strip	Pipe & Tube	Other Product Forms
ASTM B408/ASME SB 408	ASTM B409/ASME SB 409 ASTM B906/ASME SB 906	ASTM B407/ASME SB 407 ASTM B829/ASME SB 829	ASTM B366 ASME SB 366