

Incoloy 330

UNS N08330

W.Nr. 1.4886

Nickel

Iron

Chromium

Silicon

www.arialloy.com/incoloy-330/

• Chemical Composition •

S%	Si%	C%	Mn%	P%	Cu%
≤ 0.03	0.75 ~ 1.50	≤ 0.08	≤ 2.00	≤ 0.03	≤ 1.00
Pb%	Sn%	Fe%	Cr%	Ni%	
≤ 0.005	≤ 0.025	Balance	17.0 ~ 20.0	34.0 ~ 37.0	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB
Pipe & Tube	Annealed	483	207	30	...	70 ~ 90
Bar & Rod	Annealed	483	207	30	...	...
Sheet, Strip & Plate	Annealed	483	207	30	...	70 ~ 90

• Physical Properties •

Density		Melting Range		Poisson's Ratio at 70°F (20°C)
lb/in ³	g/cm ³	°F	°C	
0.292	8.08	2520 ~ 2590	1380 ~ 1420	0.34

• Main Standards •

Bars & shapes	Billets & bars	Pipe & tube	Plate, sheet & strip	Bars, wire, forgings & rings	Other
ASTM B511 ASME SB 511	ASTM B512 ASME SB 512	ASTM B535/ASME SB 535 ASTM B546/ASME SB 546 ASTM B710/ASME SB 710 ASTM B739/ASME SB 739 ASTM B829/ASME SB 829	ASTM B536 ASME SB 536 SAE AMS 5592	SAE AMS 5716	ASTM B366 ASME SB 366