

UNS N09925

Incoloy 925

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Nickel

Iron

Chromium

www.arialloy.com/incoloy-925/

• Chemical Composition •

C%	Mn%	Si%	P%	S%	Cr%	Mo%
≤ 0.03	≤ 1.0	≤ 0.50	≤ 0.030	≤ 0.030	19.5 ~ 22.5	2.5 ~ 3.5
Nb%	Ti%	Al%	Fe%	Cu%	Ni%	
≤ 0.5	1.9 ~ 2.4	0.1 ~ 0.5	≥ 22.0	1.5 ~ 3.0	42.0 ~ 46.0	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRC, max
Seamless Pipe & Tube	Solution & Aged	965	758	18	...	38
Bars	15.9 ~ 76.2mm Cold Worked Solution & Aged	965	724	18	25	38
Bars	≥ 25.4mm Hot Worked Solution & Aged	965	758	18	25	38
Sheet, Strip & Plate	Solution & Aged	965	724	18	...	...

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.292	8.08	2392 ~ 2490	1311 ~ 1366

• Main Standards •

Plate, Sheet & Strip	Bars & Forgings	Seamless Pipe & Tube
ASTM B872	ASTM B637	ASTM B983