

Incoloy 909

UNS N19909

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Nickel

Iron

Cobalt

www.arialloy.com/incoloy-909/

Chemical Composition

C%	Mn%	Si%	P%	S%	Ni%	Co%	Nb%
≤ 0.06	≤ 1.0	0.25 ~ 0.50	≤ 0.015	≤ 0.015	35.0 ~ 40.0	12.0 ~ 16.0	4.3 ~ 5.2
Ti%	Cr%	Ta%	Al%	B%	Cu%	Fe%	
1.3 ~ 1.8	≤ 1.0	≤ 0.05	≤ 0.15	≤ 0.012	≤ 0.5	Balance	

Mechanical Properties

Temperature	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
RT	Age Treated	1207	965	8	12	...
1200°F (649°C)	Age Treated	931	724	10	15	...

Physical Properties

Density		Melting Range		Curie Temperature	
lb/in ³	g/cm ³	°F	°C	°F	°C
0.296	8.19	2540 ~ 2610	1395 ~ 1430	750 ~ 850	400 ~ 455

Main Standards

Billets	Bars & Forgings	Sheet & Strip
SAE AMS 5884	SAE AMS 5892	SAE AMS 5893

Products Available

 Round Bar & Rod

 Flat Bar

 Square Bar

 Hexagon Bar

 Sheet

 Plate

 Strip

 Wire Rod