

Inconel 783

UNS R30783

UNS R30783

Cobalt

Nickel

Iron

<https://www.arialloy.com/inconel-783/>

• Chemical Composition •

C%	Mn%	Si%	P%	S%	Cr%	Ni%	Nb%
≤ 0.03	≤ 0.50	≤ 0.50	≤ 0.015	≤ 0.005	2.5 ~ 3.5	26.0 ~ 30.0	2.5 ~ 3.5
Al%	B%	Fe%	Ti%	Ta%	Cu%	Co%	
5.0 ~ 6.0	0.003 ~ 0.012	24.0 ~ 27.0	≤ 0.40	≤ 0.05	≤ 0.50	Balance	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRC, min
Bars	Solution & Aged	1103	724	12	20	27

• Physical Properties •

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.282	7.81	2437 ~ 2565	1336 ~ 1407

• Main Standards •

Bar & Forging
SAE AMS 5940

• Products Available •



Round Bar & Rod



Flat Bar