

Inconel 751

UNS N07751

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Nickel

Chromium

<https://www.arialloy.com/inconel-751/>

• Chemical Composition •

Ni% + Co%	Cr%	Fe%	Ti%	Al%	Nb% + Ta%
≥ 70.0	14.0 ~ 17.0	5.0 ~ 9.0	2.0 ~ 2.6	0.9 ~ 1.5	0.7 ~ 1.2
Mn%	Si%	S%	Cu%	C%	
≤ 1.0	≤ 0.5	≤ 0.01	≤ 0.5	≤ 0.10	

• Mechanical Properties •

Temperature	T.S.	Y.S.	EL	RA	Hardness
°C	MPa	MPa	%	%	BHN
Room	1310	976	22.5	38.2	352
649	1100	889	22.5	32.1	291
732	860	783	18.5	25.7	235
816	554	526	26	35.9	173

• Physical Properties •

Density		Melting Range		Curie Temperature	
lb/in ³	g/cm ³	°F	°C	°F	°C
0.297	8.22	2540 ~ 2600	1390 ~ 1430	-193	-125

• Products Available •

 Round Bar & Rod