

Inconel 601

UNS N06601

W.Nr. 2.4851

Nickel

Chromium

Iron

<https://www.arialloy.com/inconel-601/>

• Chemical Composition •

S%	Si%	C%	Mn%	Al%
≤ 0.015	≤ 0.50	≤ 0.10	≤ 1.00	1.00 ~ 1.70
Cu%	Fe%	Cr%	Ni%	
≤ 1.00	Balance	21.0 ~ 25.0	58.0 ~ 63.0	

• Mechanical Properties •

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
Seamless Pipe & Tube	Annealed	550	205	30	...	...
Bar & Rod	Annealed	550	205	30	...	...
Sheet, Strip & Plate	Annealed	550	205	30	...	...

• Physical Properties •

Density		Melting Range		Curie Temperature	
lb/in ³	g/cm ³	°F	°C	°F	°C
0.293	8.11	2480 ~ 2571	1360 ~ 1411	-320	-196

• Main Standards •

Rod, Bar, Wire & Forging Stock	Plate, Sheet & Strip	Pipe & Tube	Welding Products
ASTM B166 ASME SB 166	ASTM B168 ASME SB 168	ASTM B167/ASME SB 167 ASTM B751/ASME SB 751 ASTM B775/ASME SB 775 ASTM B829/ASME SB 829	AWS A5.14/ ERNiCrFe-11