

Inconel 602CA

UNS N06025

W.Nr. 2.4633

Nickel

Chromium

Iron

<https://www.arialloy.com/inconel-602ca/>

Chemical Composition

Ni%	Cr%	Fe%	Mn%	Al%	C%	Cu%
Balance	24.0 ~ 26.0	8.0 ~ 11.0	≤ 0.15	1.80 ~ 2.40	0.15 ~ 0.25	≤ 0.10
Si%	S%	Ti%	P%	Zr%	Y%	
≤ 0.50	≤ 0.010	0.10 ~ 0.20	≤ 0.020	0.01 ~ 0.10	0.05 ~ 0.12	

Mechanical Properties

Product	Condition	T.S.	Y.S.	EL	RA	Hardness
		MPa, min	MPa, min	%, min	%, min	HRB, max
Seamless Pipe & Tube	Annealed	680	270	30	...	...
Bar & Rod	Annealed	680	270	30	...	...
Sheet, Strip & Plate	Annealed	680	270	30	...	...

Physical Properties

Density		Melting Range	
lb/in ³	g/cm ³	°F	°C
0.29	7.93	2444 ~ 2552	1340 ~ 1400

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-12 AWS A5.11/ ENiCrFe-12