



Alloy 602CA

1. Brief introduction:

Alloy 602CA is a high-carbon nickel-chromium-iron alloy with additions of the micro-alloying elements titanium and zirconium together with aluminum and yttrium.

This alloy is characterized by excellent high-temperature creep properties; and exceptional resistance to oxidation at higher temperatures, even under cyclic conditions.

It also possesses very good high temperature corrosion resistance and carburizing and oxidizing/chlorinating media as well as under metal dusting conditions.

It is normally supplied in the solution-annealed condition with an oxidized or descaled surface.

2. Main specifications:

UNS	Werkstoff Nr.	SMC
UNS N06025	2.4633	Alloy 602CA

3. Chemical composition under ASTM B564-15 standard:

Grade	chemical composition,%												
	Ni	Cu	Fe	Mn	C	Si	S	Cr	Al	Ti	P	Zr	Y
UNS N06025	Balance	≤0.1	8.0-11.0	≤0.15	0.15-0.25	≤0.5	≤0.01	24.0-26.0	1.8-2.4	0.1-0.2	≤0.02	0.01-0.1	0.05-0.12

Ni element shall be determined arithmetically by difference.



4. Main product types:

wire,rod, bar,strip,sheet/plate,tube/pipe.

5. Main produce standards:

Wire,rod, Bar	Forging	Sheet/Strip	Pipe
ASTM B166	ASTM B462	ASTM B168	ASTM B167
	ASTM B472		ASTM B163

6. Alloy 602CA source URL:

<https://www.hitealloy.com/product/alloy-602ca-no6025.html>