



Alloy 617

1. Brief introduction:

It's Ni-Cr-Co-Mo alloy with exceptional combination of metallurgical stability, strength and oxidation resistance at high temperatures. And Al addition enhance the resistance to oxidation.

It also resists a wide range of corrosive aqueous environments.

It's used in gas turbines for combustion cans, ducting and transition liners, petrochemical processing, heat-treating equipment, and in nitric acid production.

2. Main specifications:

USA	UNS	W.Nr
Inconel 617	N06617	2.4663a

3. Chemical composition under ASTM B166-08 standard:

Grade	chemical composition, %												
	Ni	Cr	Co	Mo	Fe	Mn	Al	C	Si	Cu	S	Ti	B
UNS N06617	≥44.5	20.0-24.0	10.0-15.0	8.0-10.0	≤3.0	≤1.0	0.8-1.5	0.05-0.15	≤1.0	≤0.5	≤0.015	≤0.6	≤0.006

4. Main product types:

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

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5. Main produce standards:

Wire,Rod, Bar,Forging	Plate/Sheet/Strip	Tube/Pipe
ASTM B166 ASTM B564	ASTM B168	ASTM B546

6. Alloy617 source URL:

<https://www.hitealloy.com/product/alloy-617.html>