



Nimonic 80A

1. Brief introduction:

Nickel-Chromium alloy similar to Nimonic 75 but made precipitation hardenable by additions of Al and Ti.

It has good corrosion and oxidation resistance and high tensile and creep-rupture properties at temperatures to 1500°F (815°C) .

Used for gas-turbine components (blades, rings and discs), bolts, tube supports in nuclear steam generators, die-casting inserts and cores, and exhaust valves in internal-combustion engines.

2. Chemical composition under ASTM B637 standard:

Grade	chemical composition, %								
	Ni	C	Si	Mn	Cr	S	Al	Fe	Ti
UNS N07080	Remainder	≤0.1	≤1.0	≤1.0	18.0-21.0	≤0.015	0.5-1.8	≤3.0	1.8-2.7

Ni element shall be determined arithmetically by difference.

3. Main product types:

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



Shanghai Hite Special Alloy Co., Ltd.
<https://www.hitealloy.com>

4. Main specifications:

Nimonic 80A, GH80A, UNS N07080, 2.4952, 2.4631

5. Nimonic 80A Source URL:

<https://www.hitealloy.com/product/nimonic-80a-gh80a.html>

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