



## Nimonic 90

### 1. Brief introduction:

Nimonic 90 is a precipitation-hardenable nickel-chromium-cobalt alloy having high stress-rupture strength and creep resistance at temperatures to about 1700°F (920°C) .

Nimonic 90 also has good resistance to high-temperature corrosion and oxidation.

Nimonic 90 are used for blades and discs in gas turbines, hot-working tools and springs.

### 2. Chemical composition under BS 3HR 2-2010+A2-2012 standard:

Grade	Ni	C	Si	Mn	Co	Cr	S	Cu	Fe	Ti	B	Zr	Al	Pb	Bi	Ag
UNS N07090	Base	≤0.13	≤1.0	≤1.0	15.0-21.0	18.0-21.0	≤0.015	≤0.2	≤1.5	2.0-3.0	≤0.02	≤0.15	1.0-2.0	≤20ppm	≤1ppm	≤5ppm

Remarks: If require adjustments for some chemical compositions, pls consult with us.

### 3. Main product types we produce:

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

### 4. Main specifications:

Nimonic 90, UNS N07090, 2.4632, GH90.

### 5. Nimonic90 source URL:

<https://www.hitealloy.com/product/nimonic-90-gh90.html>