

Nimonic 90 | Alloy 90

Typical Applications

Turbine Blades

Hot-Working Tools

High Temperature Springs



Alloy 90 is an age hardenable, creep resisting alloy for service at temperatures up to 920 Deg C.

Related Products

Alloy 200 201

Alloy 625 Bar

Alloy 625 Sheet And Plate

Alloy 718 Bar

Alloy 718 Sheet Plate

Alloy 75

Alloy 80A

Alloy X750

Alloy X Bar

Alloy X Sheet Plate

C263

Mp159 R Bar

Mp35N R

Rene 41

Waspaloy

Alloy 90

Alloy 901

Technical specification

Related Specifications

BS 3 HR 2

ASTM B 637

Specific Gravity

8.19 g/cm³

Chemical Composition (WT %)

	Min	Max
Ni	-	-
Cr	18.0	21.0
Fe		1.5
Mn		1.0
Si		1.0
Cu		0.2
Al	1.0	2.0
Ti	2.0	3.0
Co	15	21.0
S		0.015
B		0.020
Z		0.150
Ag		5 ppm
Bi		1ppm
Pb		20 ppm

Typical Mechanical Properties

0.2% Proof Stress	MPA	695
Tensile Strength	MPA	1080

