

MATERIAL NUMBER NI 6002

NiCr21Fe18Mo9

Material no. Ni 6002

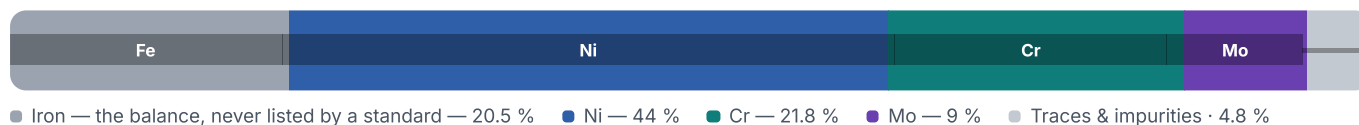
Chemical composition, mechanical and physical property values, and 16 standard designations from 3 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	16 in 3 regions	13 on file

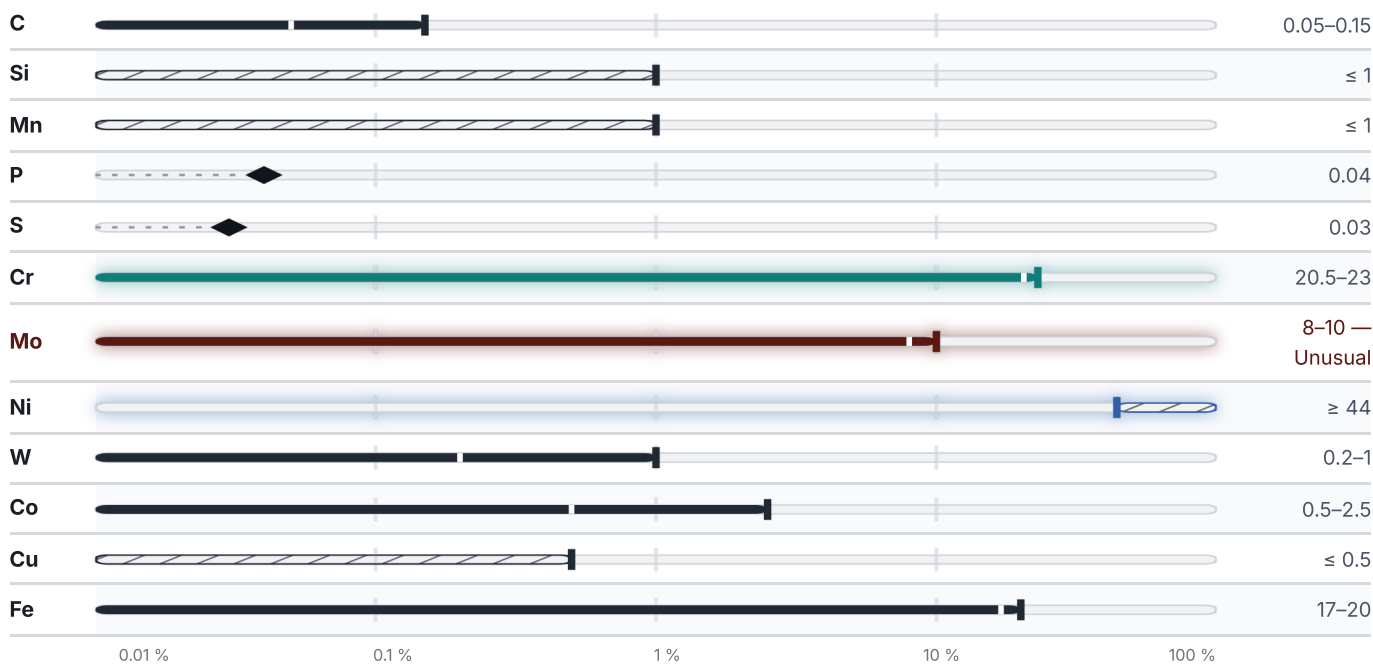
Chemical composition

Mass fraction in %

What this alloy is



Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



The scale is logarithmic, not the element's raw share of the alloy — the only honest way to fit 0.01 % and 100 % in one picture, and it means every value here can be compared with every other.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

16 designations · 2 documented as identical

United States	10	United States / Aerospace	5
N06002	uns	5536	ams
W86002 This grade's own name	uns	5587	ams
B 572	astm	5588	ams
B 829	astm	5754	ams
B366	astm	5798	ams
B435	astm		
B619	astm	Europe	1
B622	astm	NiCr21Fe18Mo9 This grade's own name	din-en
B751	astm		
B775	astm		

Note on use. The data is compiled to the best of our knowledge from publicly available standards and manufacturer documentation. It replaces neither material testing nor an inspection document to EN 10204. Please request a mill certificate to EN 10204 2.1, 3.1 or 3.2 together with your enquiry. The standard in its current valid edition always prevails.

Enquiry about NiCr21Fe18Mo9

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	Ni 6002	Aug 20, 2026