

MATERIAL NUMBER NI 6601

NiCr23Fe15Al

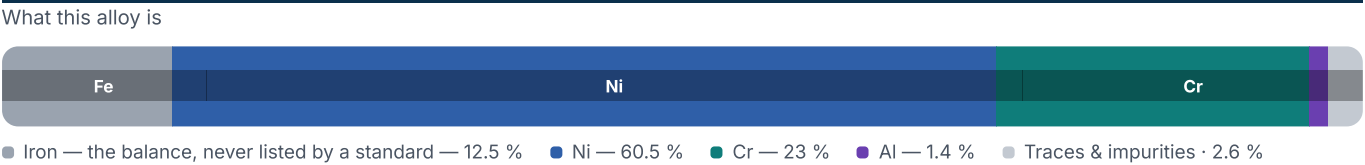
Material no. Ni 6601

Chemical composition, mechanical and physical property values, and 9 standard designations from 3 regions.

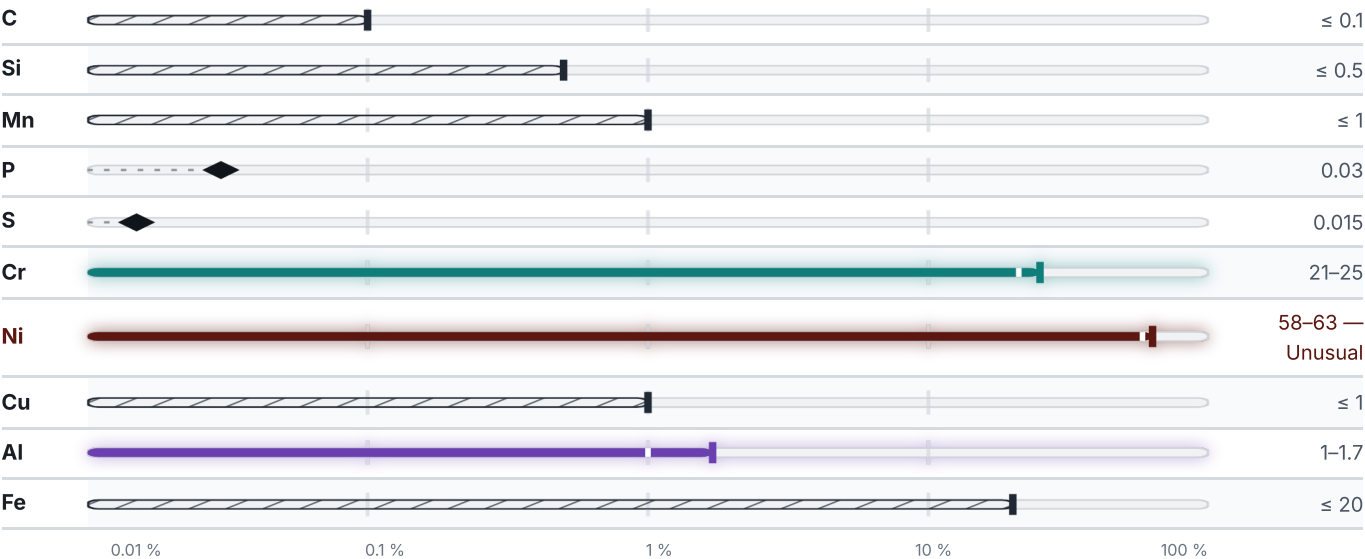
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 9 in 3 regions	PROPERTY VALUES 11 on file
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Chemical composition

Mass fraction in %



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: Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

9 designations · 2 documented as identical

United States		6	United States / Aerospace		2
N06601	This grade's own name	uns	5715		ams
B163		astm	5870		ams
B166		astm			
B167		astm	Europe		1
B168		astm	NiCr23Fe15Al	This grade's own name	din-en
B564		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 NiCr23Fe15Al

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 6601	Aug 20, 2026