

MATERIAL NUMBER NI 6333

Ni 6333

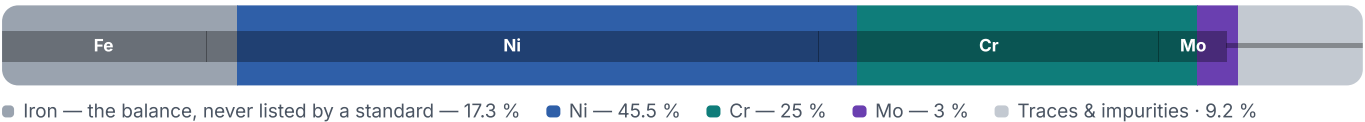
Chemical composition, mechanical and physical property values, and 2 standard designations from 2 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 2 in 2 regions	PROPERTY VALUES 13 on file
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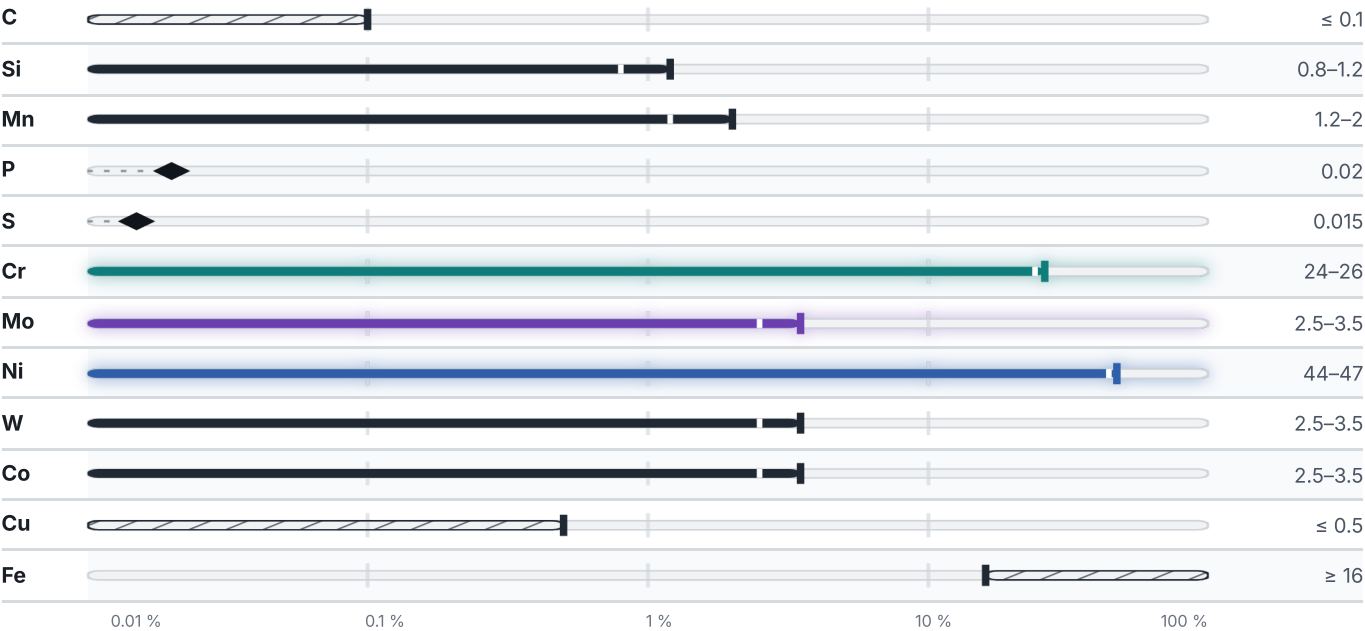
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no

transformation temperature is predicted here.

Physical properties1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards2 designations · 2 documented as identical

Europe	1	United States	1
NiCr25Fe16CoNbW	This grade's own name din-en	W86333	This grade's own name uns

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 Ni 6333

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 6333	Aug 20, 2026