

MATERIAL NUMBER 1.0451 · CLASS 1.0

1.0451

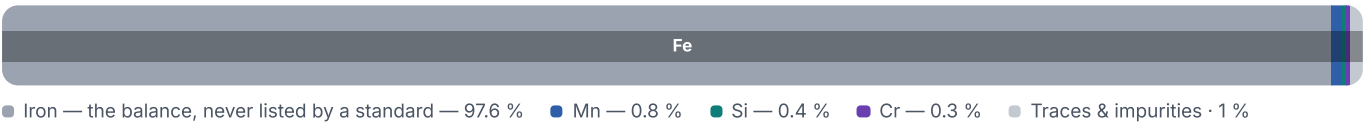
Chemical composition, mechanical and physical property values, and 1 standard designations from 1 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 1 in 1 regions	PROPERTY VALUES 14 on file
--	---	--------------------------------------

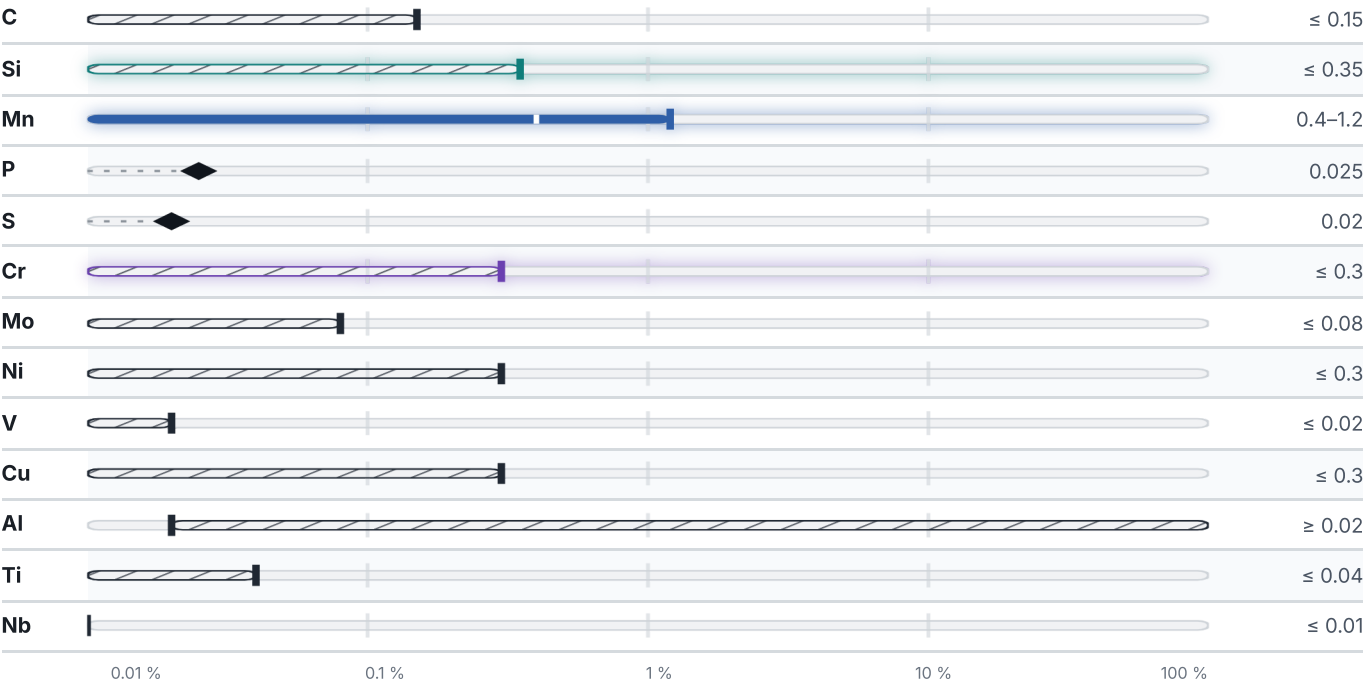
Chemical composition

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

computed from composition · °C

PREDICTED AE3 821 °C	PREDICTED AE1 717 °C	PREDICTED ACM 391 °C	PREDICTED BS 568 °C
-------------------------	-------------------------	-------------------------	------------------------

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

1 designations · 1 documented as identical

Europe	1
P215NL This grade's own name	din-en

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 1.0451

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

[Start an enquiry](#)

DATASHEET ONLINE View the material page	GRADE SEARCH Search all grades	MATERIAL NO. 1.0451	ISSUED Aug 20, 2026
---	--	-------------------------------	-------------------------------