

MATERIAL NUMBER 1.9533 · CLASS 1.9

A 537 Class 1

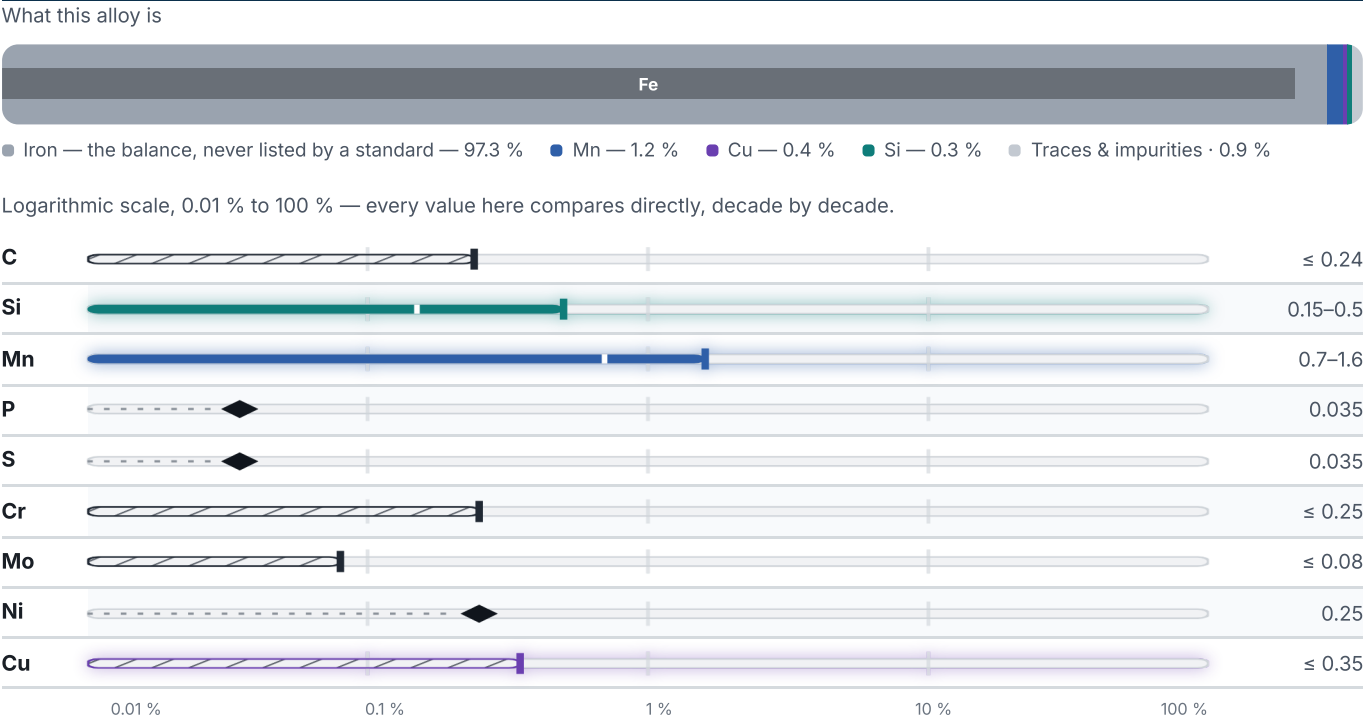
Material no. 1.9533

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

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 1 in 1 regions	PROPERTY VALUES 10 on file
------------------------------	---	--------------------------------------

Chemical composition

Mass fraction in %



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 807 °C	PREDICTED AE1 714 °C	PREDICTED ACM 468 °C	PREDICTED BS 552 °C
--------------------------------	--------------------------------	--------------------------------	-------------------------------

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
Normalizing	Temperature not stated	—

Designations across standards

1 designations · 1 documented as identical

Europe	1
A 537 Class 1	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 A 537 Class 1

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	1.9533	Aug 20, 2026