

MATERIAL NUMBER 1.8983 · CLASS 1.8

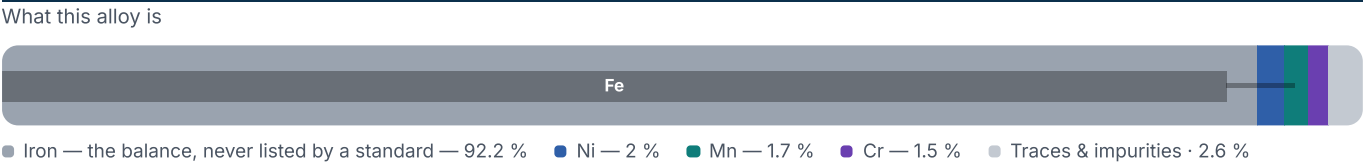
1.8983

Chemical composition, mechanical and physical property values, and 2 standard designations from 1 regions.

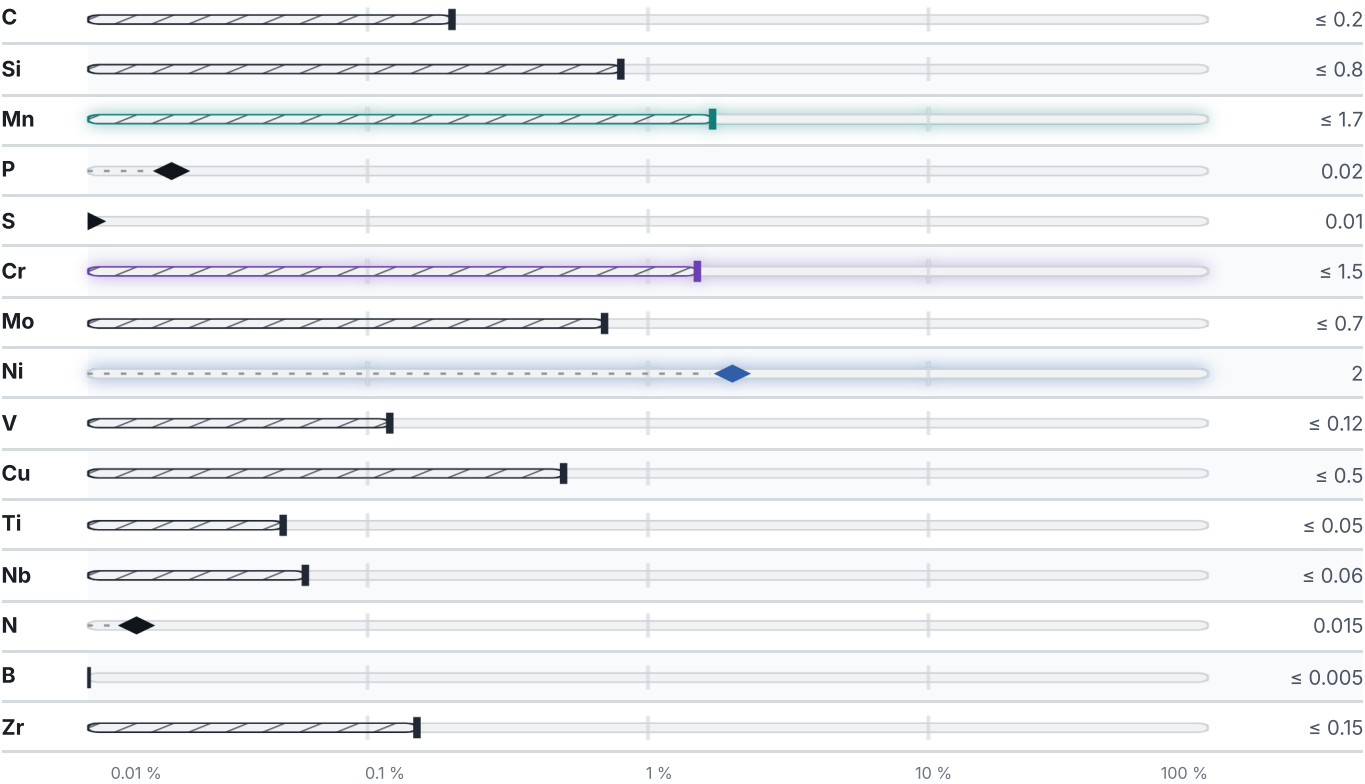
DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 2 in 1 regions	PROPERTY VALUES 16 on file
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Chemical composition

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

computed from composition · °C

PREDICTED AE3 792 °C	PREDICTED AE1 723 °C	PREDICTED ACM 475 °C	PREDICTED BS 456 °C
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Mechanical properties

4 values across 1 conditions

CONDITION · DIMENSION	REH N/mm ²	RM N/mm ²
3 – 50	890	940–1100
50 – 100	830	880–1100

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

2 designations · 2 documented as identical

Europe	2
S890QL This grade's own name	din-en
TStE 890 V 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 1.8983

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	1.8983	Aug 20, 2026