

MATERIAL NUMBER 1.8801 · CLASS 1.8

1.8801

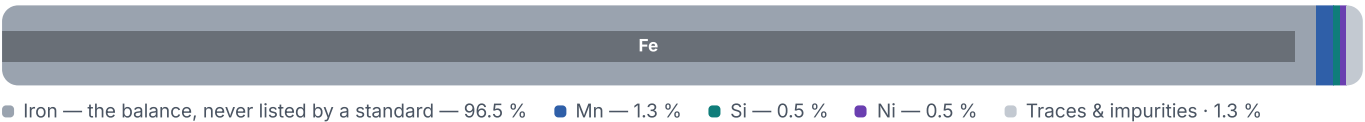
Chemical composition, mechanical and physical property values, and 3 standard designations from 2 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 3 in 2 regions	PROPERTY VALUES 15 on file
--	---	--------------------------------------

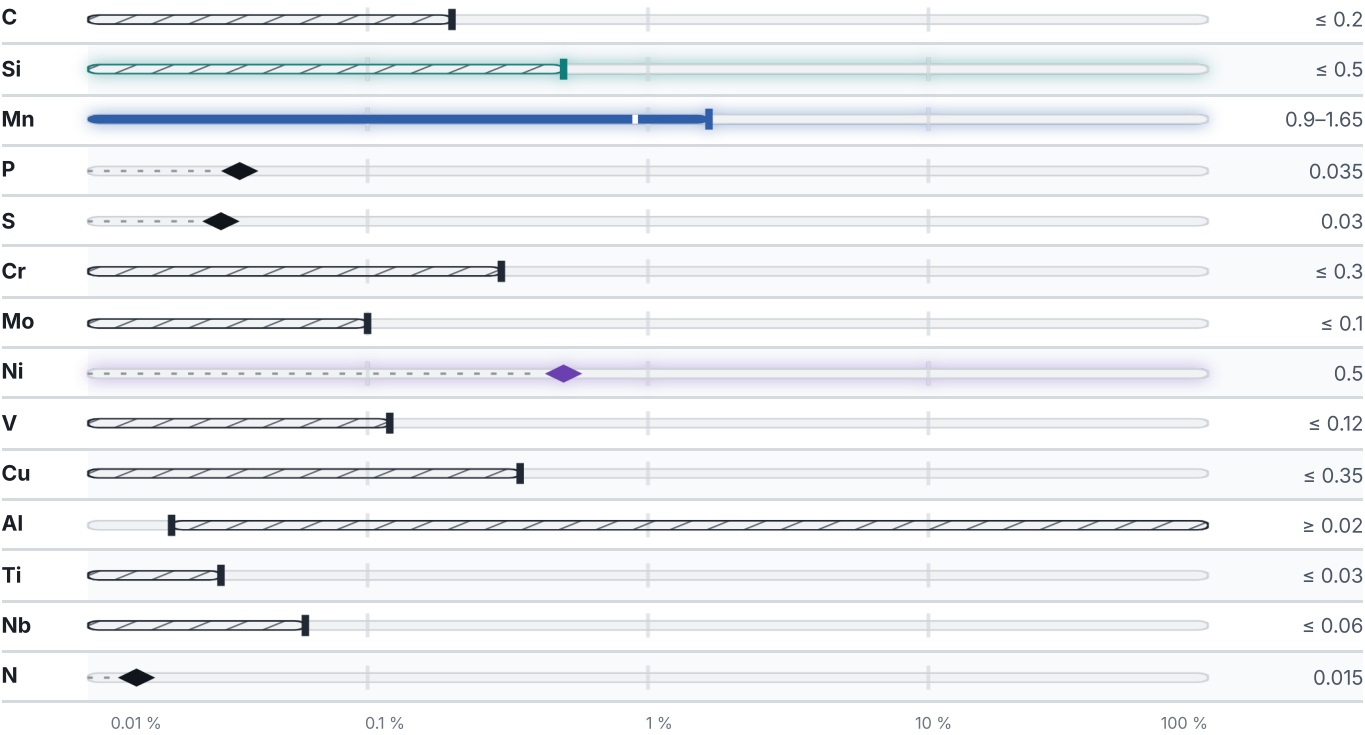
Chemical composition

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 808 °C	PREDICTED AE1 711 °C	PREDICTED ACM 437 °C	PREDICTED BS 546 °C
-------------------------	-------------------------	-------------------------	------------------------

Mechanical properties

2 values across 1 conditions

NORMALIZED	REH N/mm²
≤ 16	355
16 – 25	345

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

3 designations · 1 documented as identical

Europe	2	United Kingdom	1
S355G2	din-en	355D	bs
S355G2+N	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 1.8801

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. 1.8801	ISSUED Aug 20, 2026
--	-----------------------------------	------------------------	------------------------