

MATERIAL NUMBER 1.0565 · CLASS 1.0

1.0565

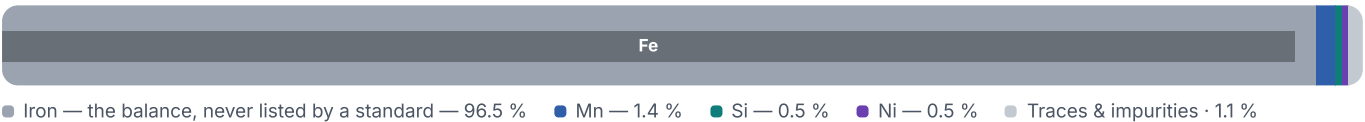
Chemical composition, mechanical and physical property values, and 18 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 18 in 6 regions	PROPERTY VALUES 15 on file
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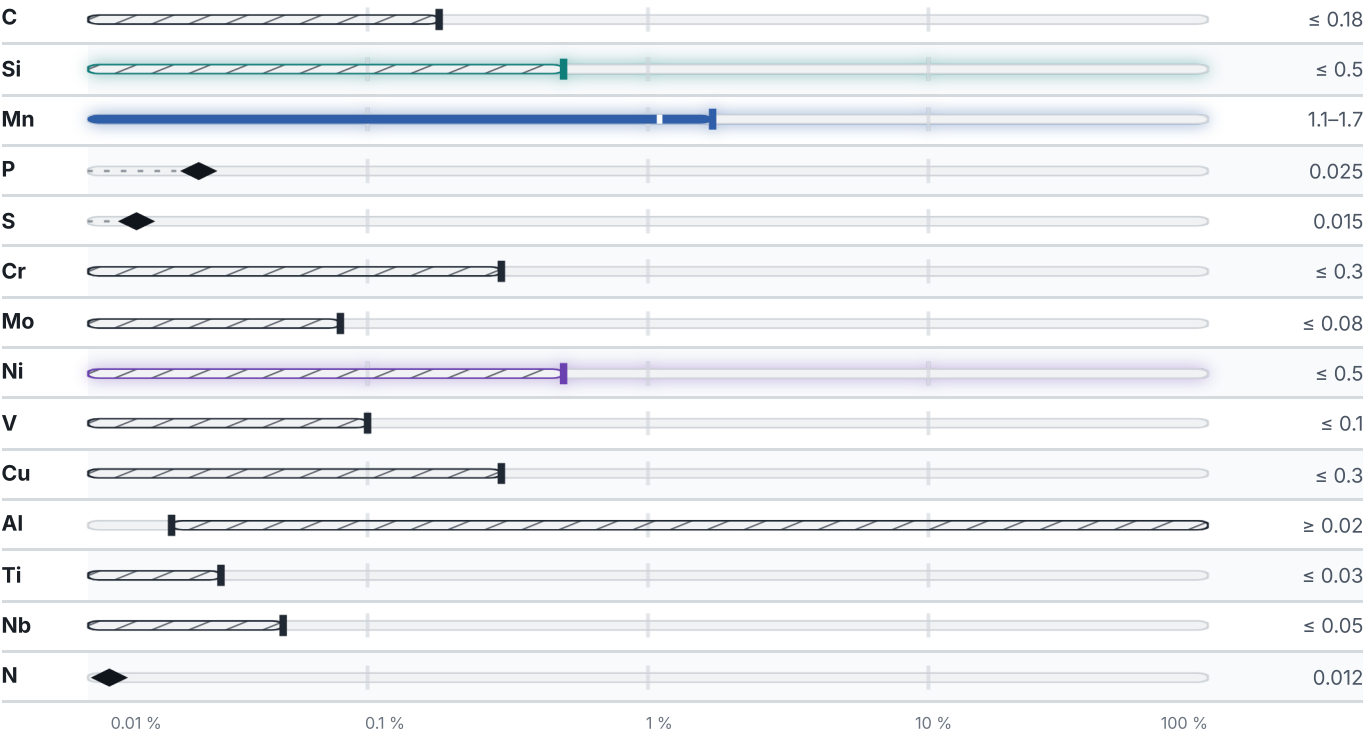
Chemical composition

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

computed from composition · °C

PREDICTED AE3 811 °C	PREDICTED AE1 710 °C	PREDICTED ACM 421 °C	PREDICTED BS 546 °C
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Mechanical properties

12 values across 1 conditions

NORMALIZED	REH N/mm ²	RM N/mm ²	A %
≤ 16	355	—	—
16 – 40	345	—	—
40 – 60	335	—	—
≤ 60	—	490–630	22
60 – 100	315	470–610	—
60 – 250	—	—	21
100 – 150	305	460–600	—
150 – 250	295	450–590	—

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
Normalizing	Temperature not stated	—

Designations across standards

18 designations · 10 documented as identical

United States12		Europe2	
K01600	This grade's own nameuns	P355NH	This grade's own namedin-en
K02007	This grade's own nameuns	WStE 355	This grade's own namedin-en
K02700	This grade's own nameuns	United Kingdom1	
K02701	uns	224Gr.490bs	
K02803	This grade's own nameuns	France1	
K11803	This grade's own nameuns	A510APafnor	
K12001	uns	Italy1	
K12037	This grade's own nameuns	FeE355-2uni	
K12609	uns	Poland1	
A662Gr.C	aisi-sae	18G2Apn	
A350LF2	This grade's own nameastm		
ASME SA350LF2	This grade's own nameastm		

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 1.0565

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	1.0565	Aug 20, 2026