

MATERIAL NUMBER 1.1104 · CLASS 1.1

EStE 285

Material no. 1.1104

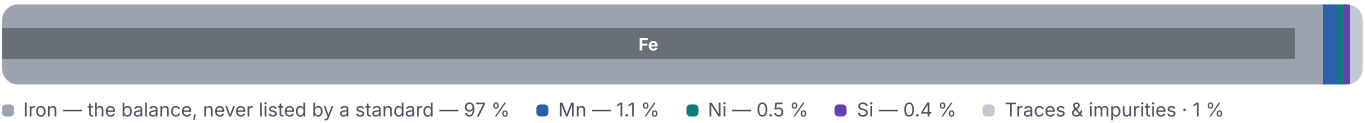
Chemical composition, mechanical and physical property values, and 5 standard designations from 2 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 5 in 2 regions	PROPERTY VALUES 15 on file
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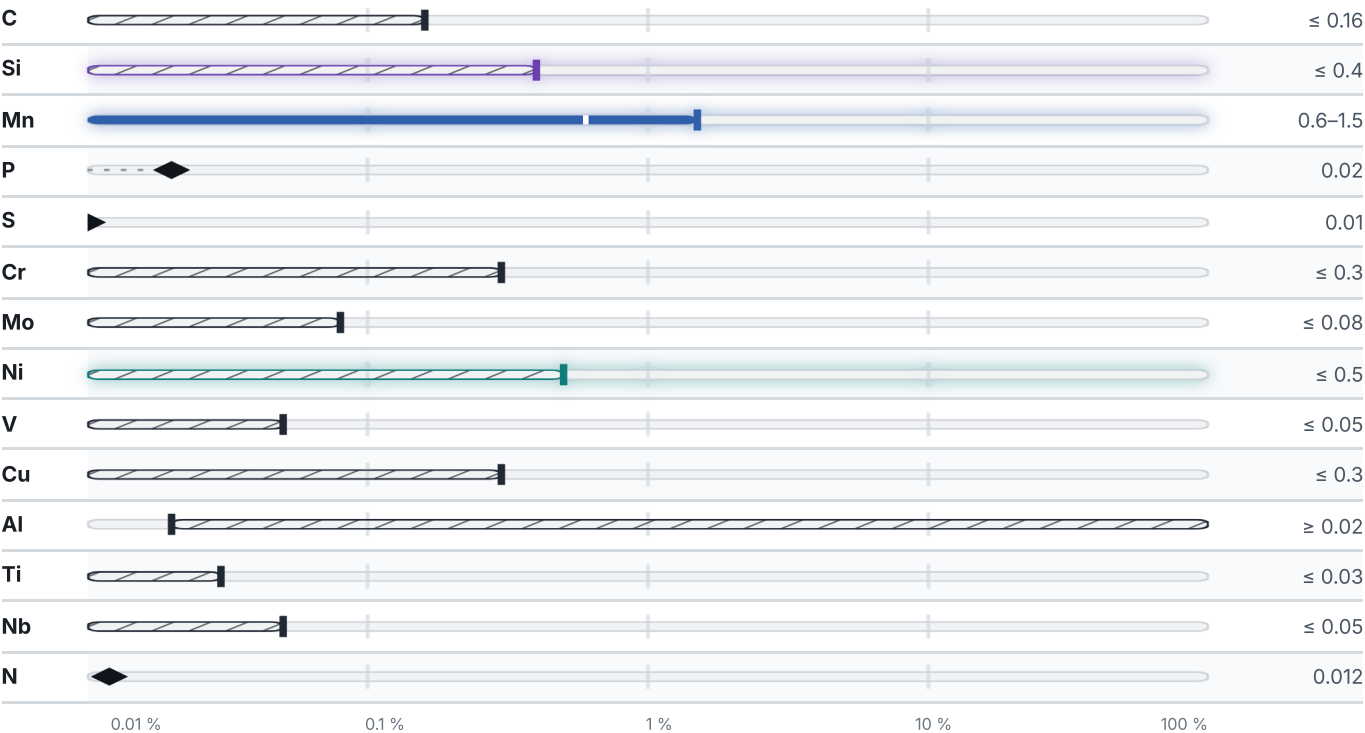
Chemical composition

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 813 °C	PREDICTED AE1 711 °C	PREDICTED ACM 401 °C	PREDICTED BS 554 °C
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Mechanical properties

12 values across 1 conditions

NORMALIZED	REH N/mm ²	RM N/mm ²	A %
≤ 16	275	–	–
16 – 40	265	–	–
40 – 60	255	–	–
≤ 60	–	390–510	24
60 – 100	235	370–490	–
60 – 250	–	–	23
100 – 150	225	360–480	–
150 – 250	215	350–470	–

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

5 designations · 4 documented as identical

United States	3	Europe	2
K02100 This grade's own name	uns	EStE 285 This grade's own name	din-en
K02302	uns	P275NL2 This grade's own name	din-en
K02403 This grade's own name	uns		

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 EStE 285

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	1.1104	Aug 20, 2026