

MATERIAL NUMBER 1.1104 · CLASS 1.1

P275NL2

Material no. 1.1104

also listed as EStE 285

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

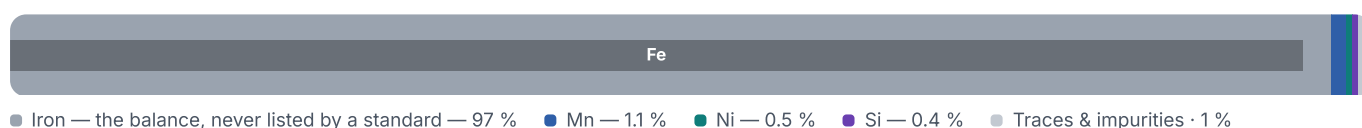
PROPERTY VALUES

15 on file

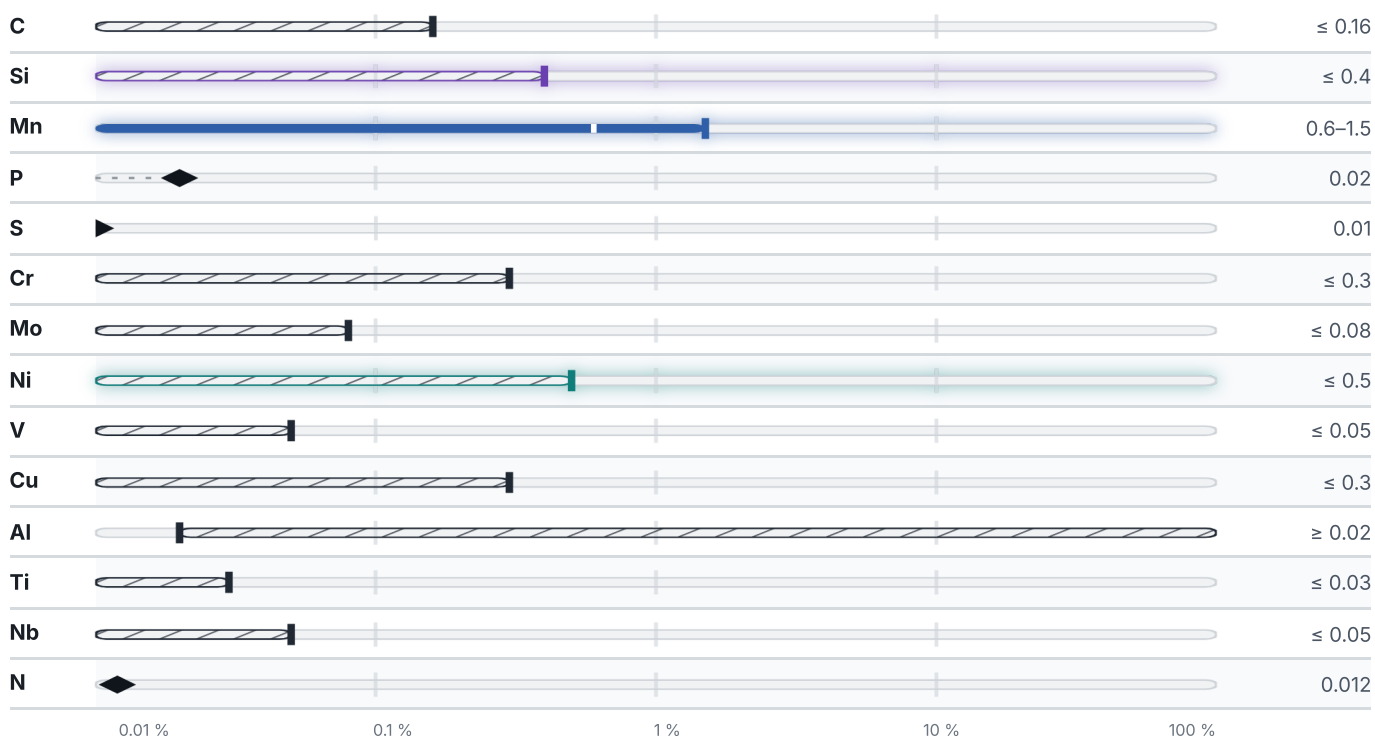
Chemical composition

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 States3		Europe2	
K02100	This grade's own nameuns	EStE 285	This grade's own namedin-en
K02302	uns	P275NL2	This grade's own namedin-en
K02403	This grade's own nameuns		

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 P275NL2

Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry