

MATERIAL NUMBER 1.1143 · CLASS 1.1

1.1143

Chemical composition, mechanical and physical property values, and 9 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 9 in 7 regions	PROPERTY VALUES 12 on file
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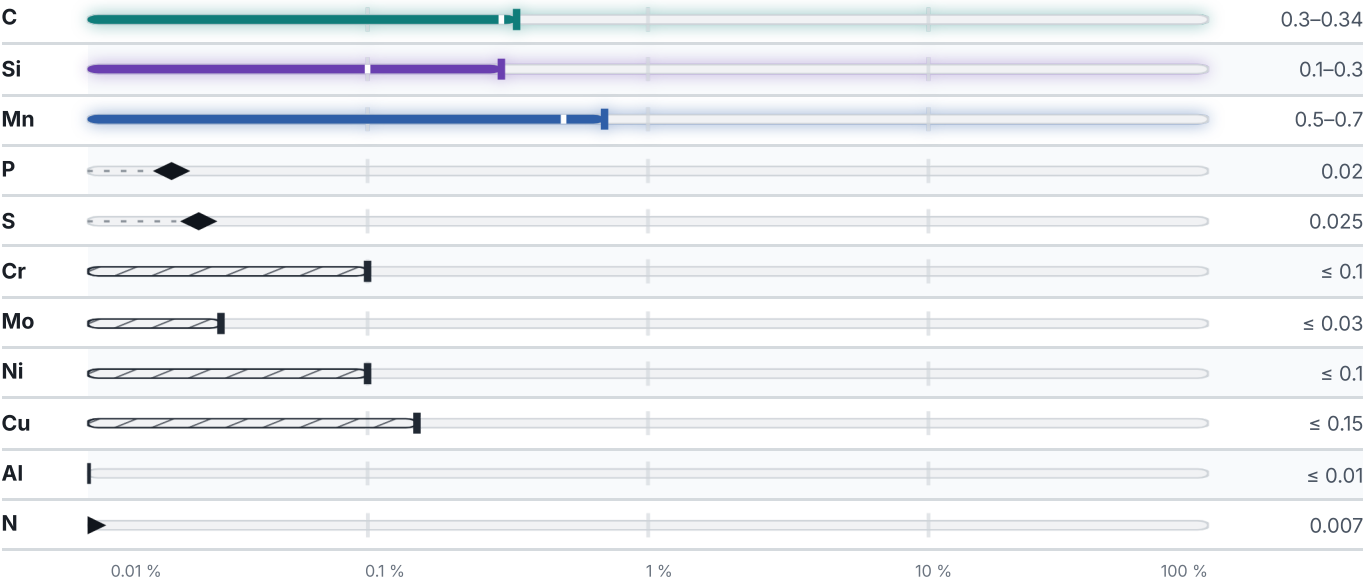
Chemical composition

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 795 °C	PREDICTED AE1 721 °C	PREDICTED ACM 523 °C	PREDICTED BS 587 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

9 designations · 3 documented as identical

United States	2	France	1
G10300 This grade's own name	uns	XC32	afnor
1030 This grade's own name	aisi-sae	International	1
United Kingdom	2	C30 C30E4 C30M2	iso
060A30	bs	Japan	1
C30 C30E C30R	bs	S30C	jis
Europe	1	China	1
C32D2 This grade's own name	din-en	30	gb

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 1.1143

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.

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ISSUED

Aug 20, 2026