

MATERIAL NUMBER 1.1179 · CLASS 1.1

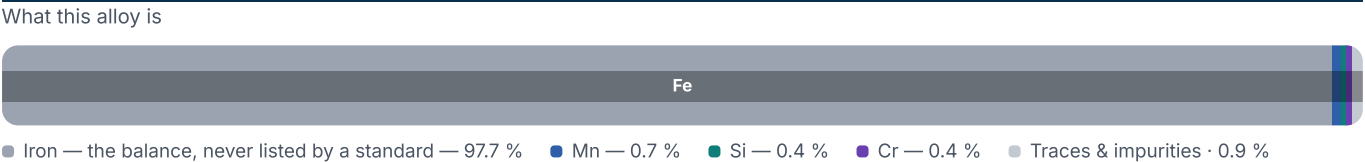
1.1179

Chemical composition, mechanical and physical property values, and 11 standard designations from 8 regions.

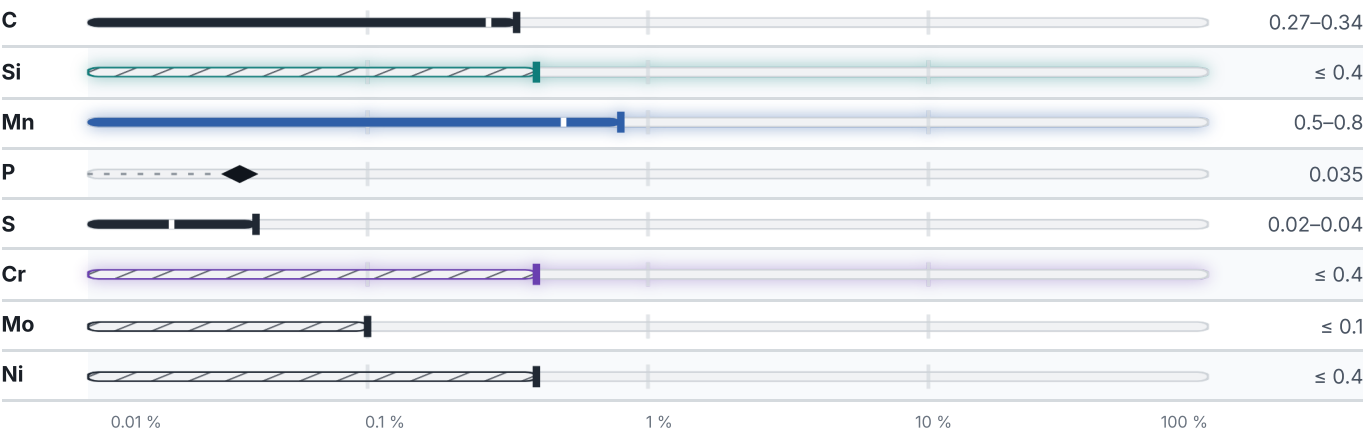
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 11 in 8 regions	PROPERTY VALUES 9 on file
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Chemical composition

Mass fraction in %



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 792 °C	PREDICTED AE1 724 °C	PREDICTED ACM 539 °C	PREDICTED BS 566 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

11 designations · 4 documented as identical

Europe	2	France	1
C30R This grade's own name	din-en	XC32	afnor
Cm 30 This grade's own name	din-en		
United States	2	International	1
G10300 This grade's own name	uns	C30 C30E4 C30M2	iso
1030 This grade's own name	aisi-sae	Japan	1
United Kingdom	2	S30C	jis
060A30	bs	China	1
C30 C30E C30R	bs	30	gb
		Czechia	1
		12031	csn

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 1.1179

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

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ISSUED

Aug 20, 2026