

MATERIAL NUMBER 1.0530 · CLASS 1.0

1.0530

Chemical composition, mechanical and physical property values, and 10 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 10 in 7 regions	PROPERTY VALUES 11 on file
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Chemical composition

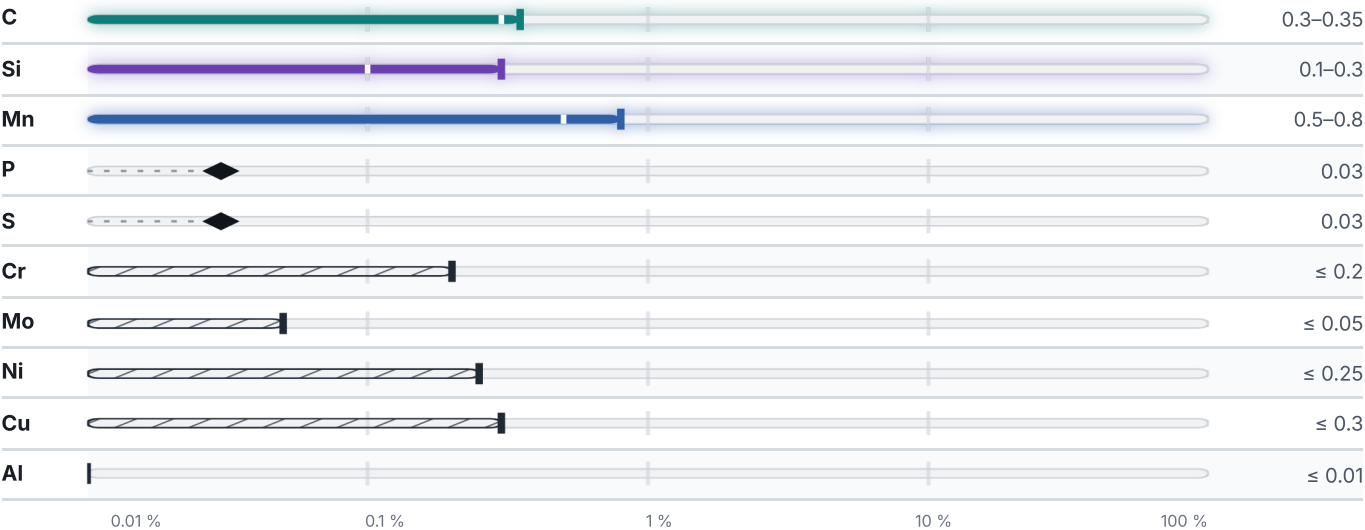
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 98 % ● Mn — 0.7 % ● C — 0.3 % ● Cu — 0.3 % ● Traces & impurities · 0.8 %

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 789 °C	PREDICTED AE1 719 °C	PREDICTED ACM 535 °C	PREDICTED BS 576 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

10 designations · 3 documented as identical

United States	3	France	1
G10300 This grade's own name	uns	XC32	afnor
K02701	uns		
1030 This grade's own name	aisi-sae	International	1
		C30 C30E4 C30M2	iso
United Kingdom	2		
060A30	bs	Japan	1
C30 C30E C30R	bs	S30C	jis
Europe	1	China	1
C32D 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 1.0530

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

[Start an enquiry](#)

DATASHEET ONLINE

View the material page

GRADE SEARCH

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ISSUED

Aug 20, 2026