

MATERIAL NUMBER 1.0429 · CLASS 1.0

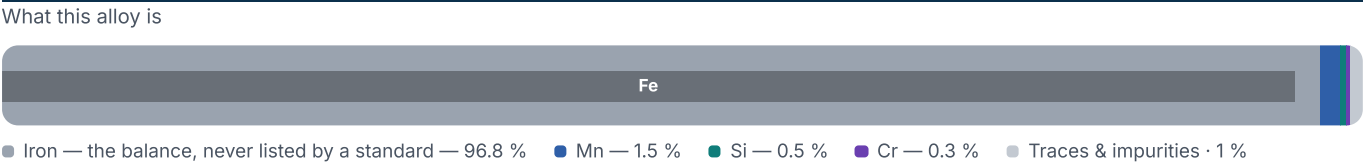
1.0429

Chemical composition, mechanical and physical property values, and 3 standard designations from 2 regions.

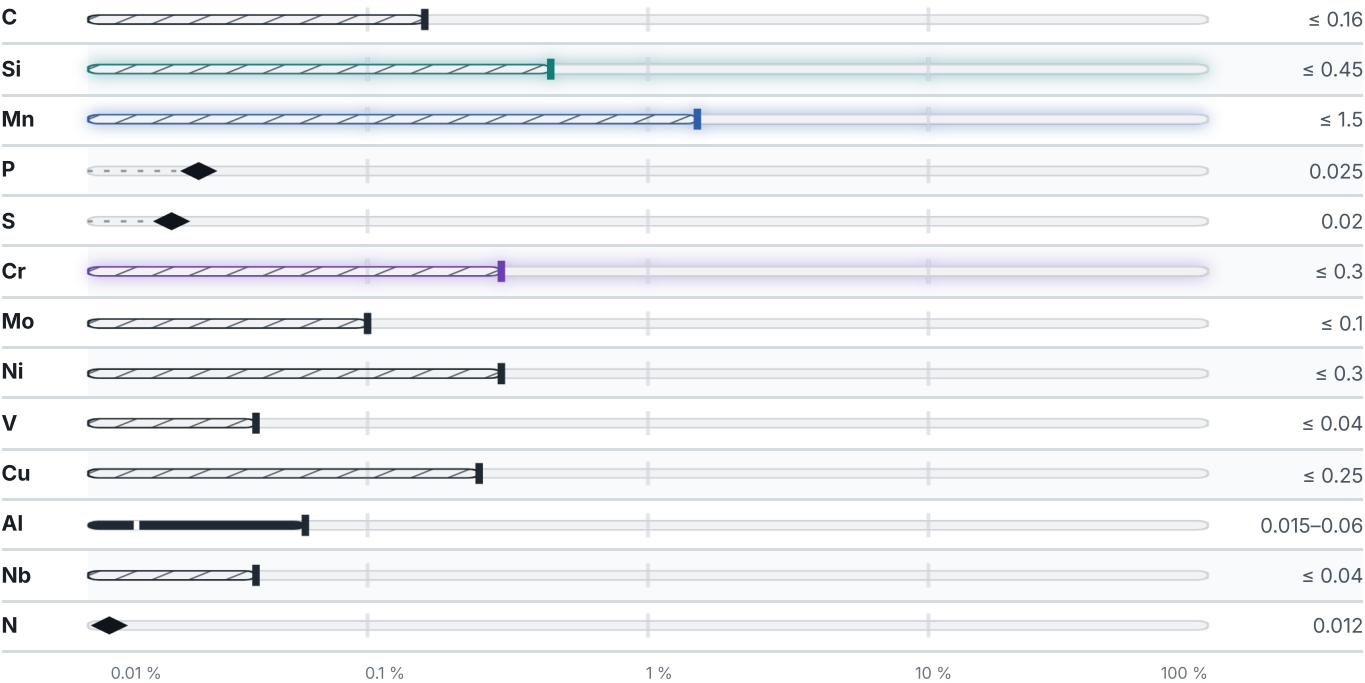
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 3 in 2 regions	PROPERTY VALUES 14 on file
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Chemical composition

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 819 °C	PREDICTED AE1 715 °C	PREDICTED ACM 403 °C	PREDICTED BS 556 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

3 designations · 2 documented as identical

Europe	2	United States	1
L290MB This grade's own name	din-en	X42	aisi-sae
StE 290.7 TM This grade's own name	din-en		

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 1.0429

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

[Start an enquiry](#)

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ISSUED
Aug 20, 2026