

MATERIAL NUMBER 1.1139 · CLASS 1.1

1.1139

Chemical composition, mechanical and physical property values, and 7 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 7 in 6 regions	PROPERTY VALUES 12 on file
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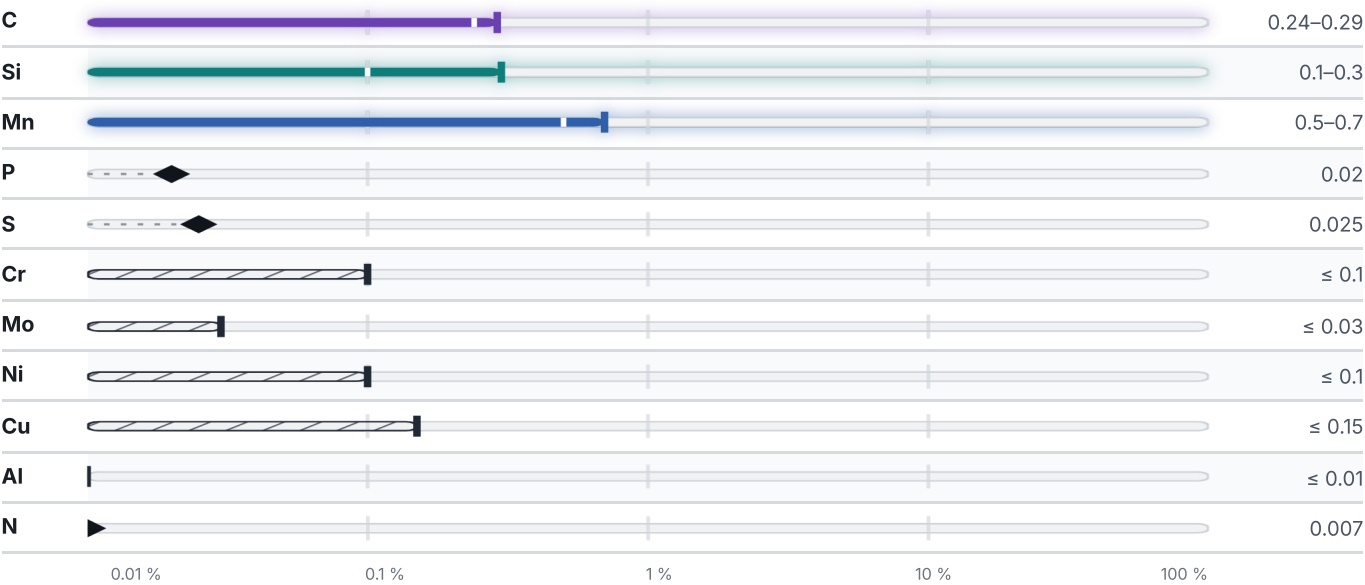
Chemical composition

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 804 °C	PREDICTED AE1 721 °C	PREDICTED ACM 488 °C	PREDICTED BS 590 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

7 designations · 3 documented as identical

United States	2	International	1
G10250 This grade's own name	uns	C25 C25E4 C25M2	iso
1025 This grade's own name	aisi-sae	Japan	1
Europe	1	S25C	jis
C26D2 This grade's own name	din-en	China	1
United Kingdom	1	25	gb
C25 C25E C25R	bs		

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 1.1139

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