

MATERIAL NUMBER 1.1150 · CLASS 1.1

C38D2

Material no. 1.1150

Chemical composition, mechanical and physical property values, and 6 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 6 in 5 regions	PROPERTY VALUES 12 on file
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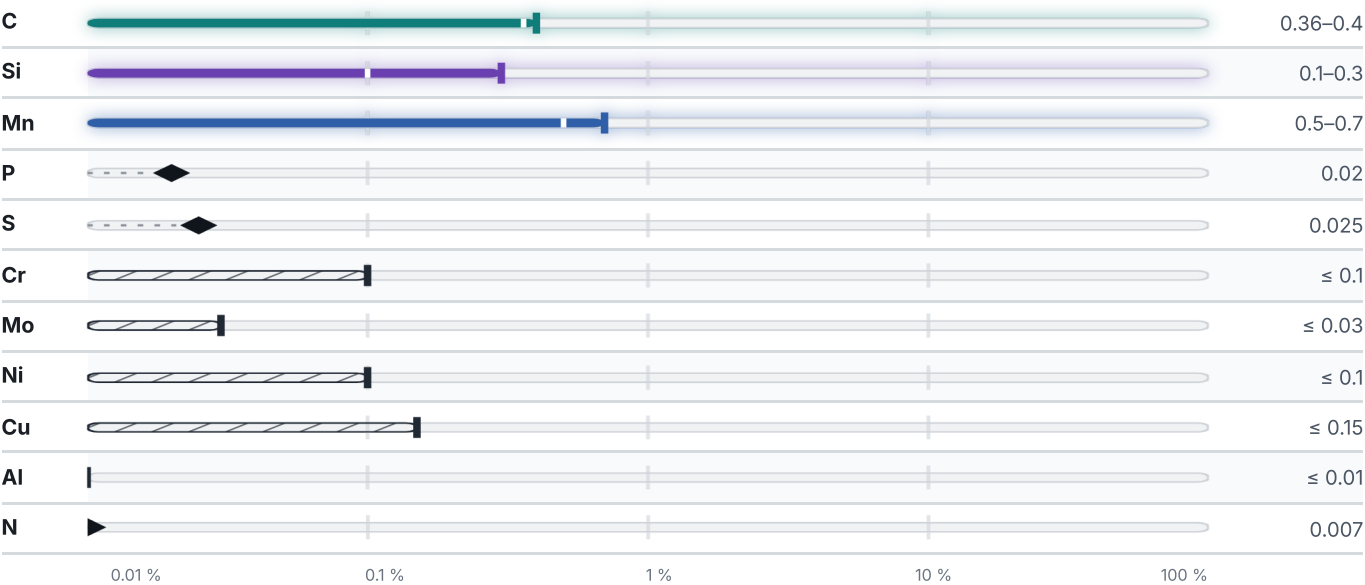
Chemical composition

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 784 °C	PREDICTED AE1 721 °C	PREDICTED ACM 562 °C	PREDICTED BS 583 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

6 designations · 3 documented as identical

United States	2	Japan	1
G10380 This grade's own name	uns	S38C	jis
1038 This grade's own name	aisi-sae	China	1
Europe	1	35	gb
C38D2 This grade's own name	din-en	Latin America	1
		1038	copant

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 C38D2

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

Start an enquiry

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.1150	Aug 20, 2026