

MATERIAL NUMBER 1.1212 · CLASS 1.1

1.1212

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

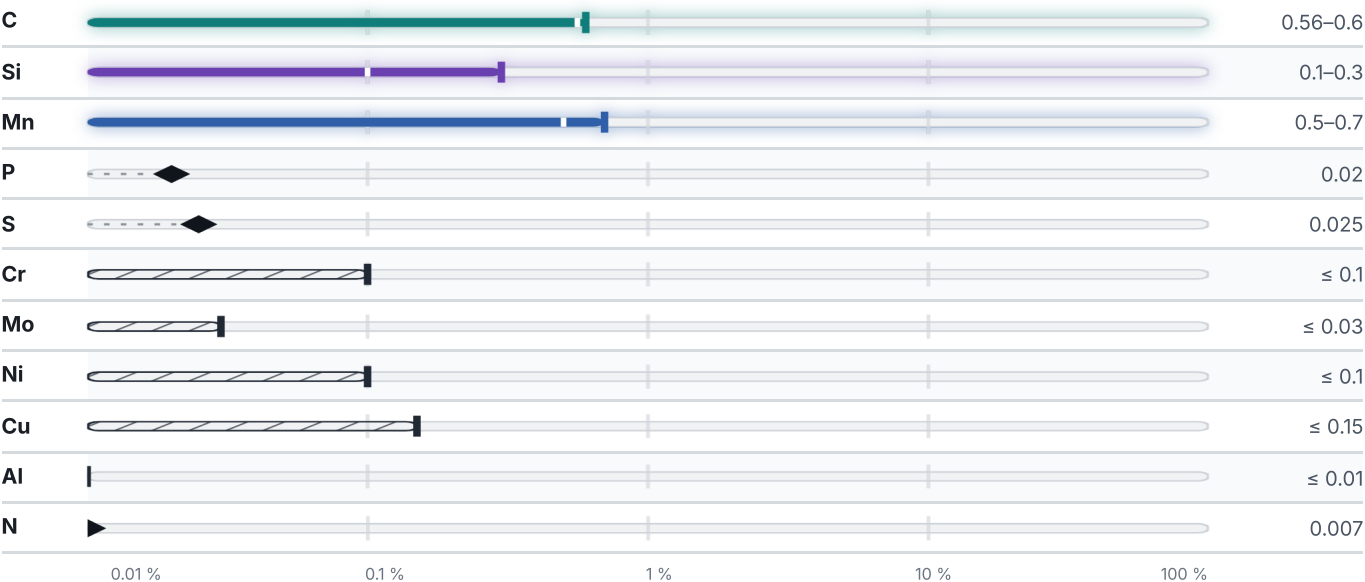
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 6 in 5 regions	PROPERTY VALUES 12 on file
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Chemical composition

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 748 °C	PREDICTED AE1 721 °C	PREDICTED ACM 668 °C	PREDICTED BS 572 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

6 designations · 3 documented as identical

United States	2	United Kingdom	1
G10590 This grade's own name	uns	C60 C60E C60R	bs
1059 This grade's own name	aisi-sae	International	1
Europe	1	C60 C60E4 C60M2	iso
C58D2 This grade's own name	din-en	Japan	1
		S58C	jis

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 1.1212

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	1.1212	Aug 20, 2026