

MATERIAL NUMBER 1.1211 · CLASS 1.1

C60S

Material no. 1.1211

Chemical composition, mechanical and physical property values, and 8 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 8 in 5 regions	PROPERTY VALUES 9 on file
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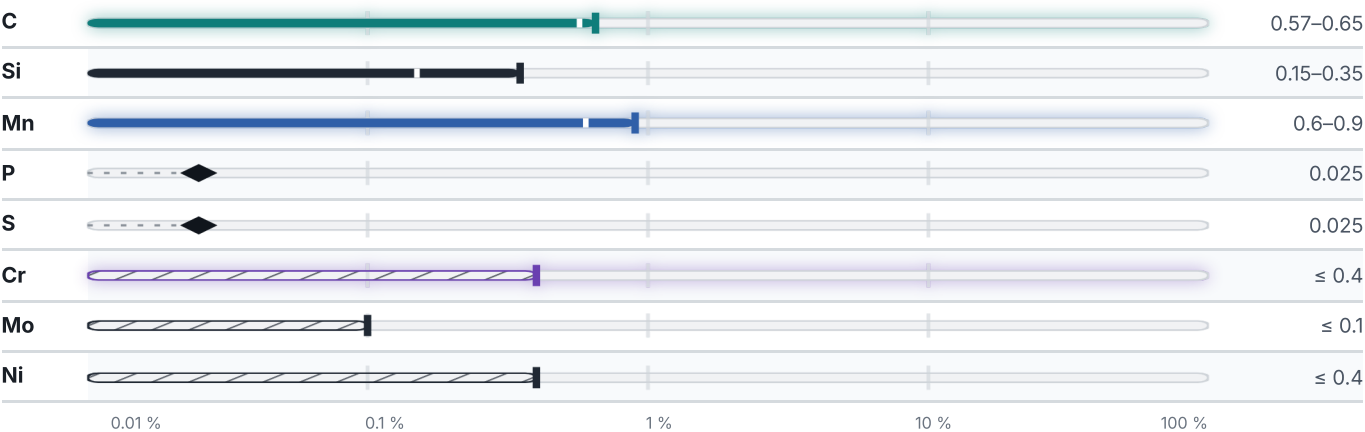
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

7 values across 6 conditions

SOFT ANNEALED	RM N/mm ²	A80 %
0.3 – 3	620	17
COLD ROLLED	RM N/mm ²	
0.3 – 3		1100
QUENCHED AND TEMPERED	RM N/mm ²	
0.3 – 3		1150–1750
SOFT ANNEALED		HV
Soft annealed		195
COLD ROLLED		HV
Cold rolled		305
QUENCHED AND TEMPERED		HV
Quenched and tempered		345–530

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

8 designations · 3 documented as identical

Europe	2	France	2
C60S This grade's own name	din-en	C60RR	afnor
Ck60	din-en	XC60	afnor
United States	2	United Kingdom	1
G10600 This grade's own name	uns	CS60	bs
1060 This grade's own name	aisi-sae	Russia / CIS	1
		60	gost

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 C60S

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

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ISSUED

Aug 20, 2026