

MATERIAL NUMBER 1.1234 · CLASS 1.1

C68E

Material no. 1.1234

Chemical composition, mechanical and physical property values, and 13 standard designations from 9 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 13 in 9 regions	PROPERTY VALUES 6 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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

13 designations · 4 documented as identical

United States	4	Japan	1
G10690 This grade's own name	uns	S65CM	jis
1065	aisi-sae		
1069 This grade's own name	aisi-sae	Russia / CIS	1
J403	aisi-sae	65	gost
Europe	2	Czechia	1
C68E This grade's own name	din-en	12 061	csn
Ck 68 This grade's own name	din-en		
France	1	Slovakia	1
XC68	afnor	12061	stn
International	1	Poland	1
CS65	iso	gat. 65	pn

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 C68E

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	1.1234	Aug 20, 2026