

MATERIAL NUMBER 1.1231 · CLASS 1.1

Ck 67

Material no. 1.1231

also listed as C67S

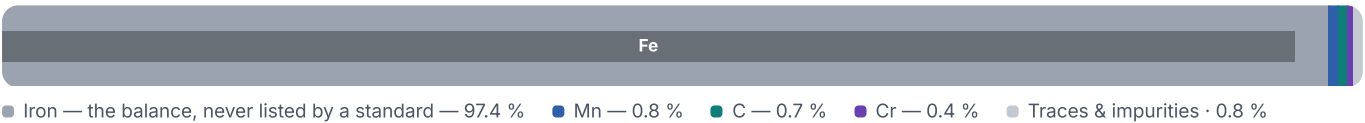
Chemical composition, mechanical and physical property values, and 42 standard designations from 18 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 42 in 18 regions	PROPERTY VALUES 9 on file
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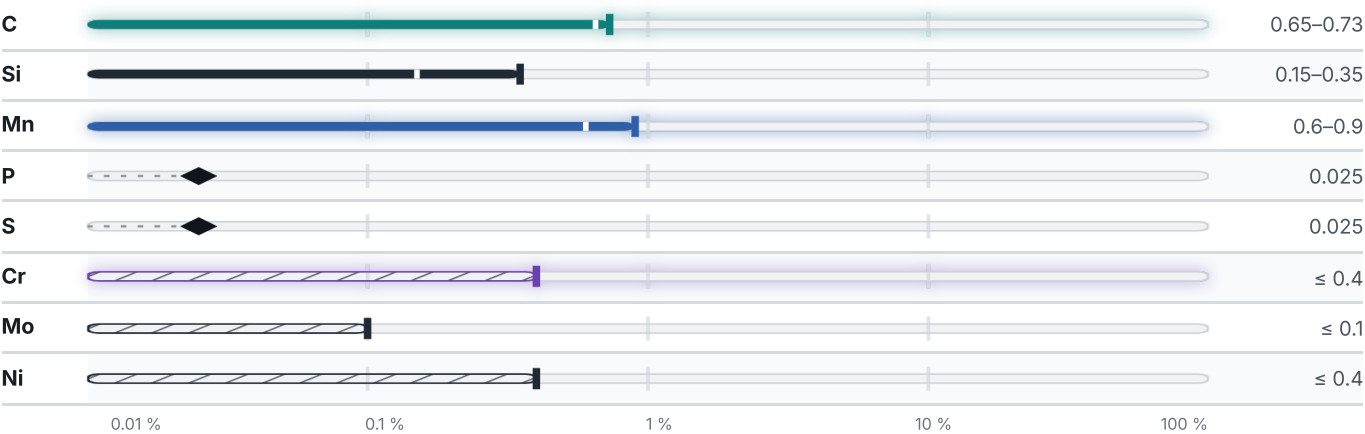
Chemical composition

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	640	16
COLD ROLLED	RM N/mm ²	
0.3 – 3		1140
QUENCHED AND TEMPERED	RM N/mm ²	
0.3 – 3		1200–1900
SOFT ANNEALED		HV
Soft annealed		200
COLD ROLLED		HV
Cold rolled		315
QUENCHED AND TEMPERED		HV
Quenched and tempered		370–580

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

42 designations · 4 documented as identical

United States		9	Russia / CIS		4
G10700	This grade's own name	uns	65		gost
1065		aisi-sae	68GA		gost
1069		aisi-sae	68ГA		gost
1070	This grade's own name	aisi-sae	70		gost
1566		aisi-sae			
G10690		aisi-sae	United Kingdom		3
G10700		aisi-sae	060A67		bs
G15660		aisi-sae	070A72		bs
J403		aisi-sae	CS70		bs
France		4	Japan		3
C68RR		afnor	S 70 C		jis
FMR70		afnor	S65CM		jis
FMR72		afnor	S70C-CSP		jis
XC68		afnor			

Europe	2
C67S This grade's own name	din-en
Ck 67 This grade's own name	din-en
China	2
65	gb
70	gb
Czechia	2
12 061	csn
12071	csn
Poland	2
D70	pn
gat. 65	pn
Australia / New Zealand	2
1070	as-nzs
K1070S	as-nzs
Romania	2
OLC66S	stas
OLC70A	stas

International	1
CS65	iso
Italy	1
C70	uni
Sweden	1
1770	ss
Brazil	1
1070	abnt
Latin America	1
1070	copant
Slovakia	1
12061	stn
Bulgaria	1
70	bds

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 Ck 67

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

Sep 8, 2026