

MATERIAL NUMBER 1.2007 · CLASS 1.2

70Cr2

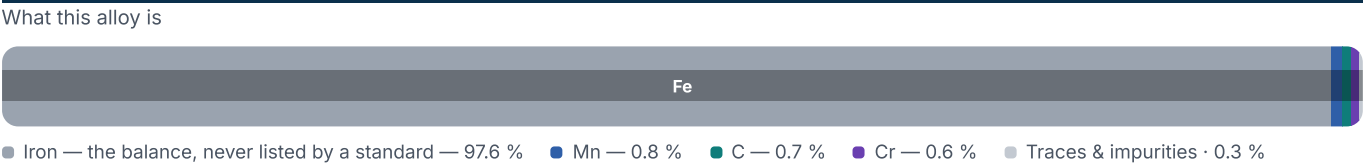
Material no. 1.2007

Chemical composition, mechanical and physical property values, and 10 standard designations from 9 regions.

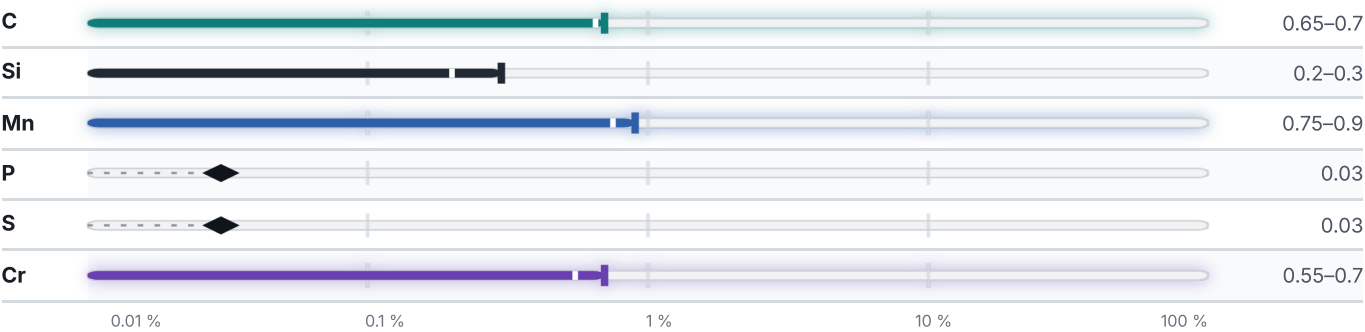
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 10 in 9 regions	PROPERTY VALUES 7 on file
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Chemical composition

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

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

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

10 designations · 1 documented as identical

United States	2	Japan	1
1065	aisi-sae	S65CM	jis
J403	aisi-sae		
Europe	1	Russia / CIS	1
70Cr2 This grade's own name	din-en	65	gost
France	1	Czechia	1
XC68	afnor	12 061	csn
International	1	Slovakia	1
CS65	iso	12061	stn
		Poland	1
		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 70Cr2

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	1.2007	Aug 20, 2026