

MATERIAL NUMBER 1.8070 · CLASS 1.8

21CrMoV5-11

Material no. 1.8070

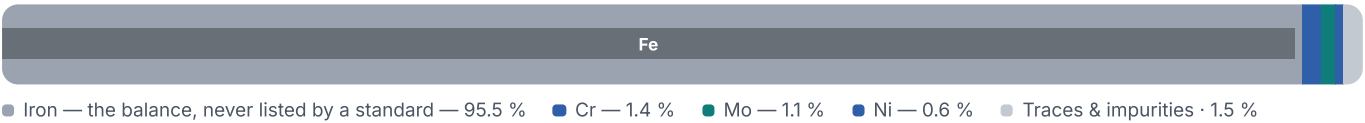
Chemical composition, mechanical and physical property values, and 7 standard designations from 5 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 7 in 5 regions	PROPERTY VALUES 10 on file
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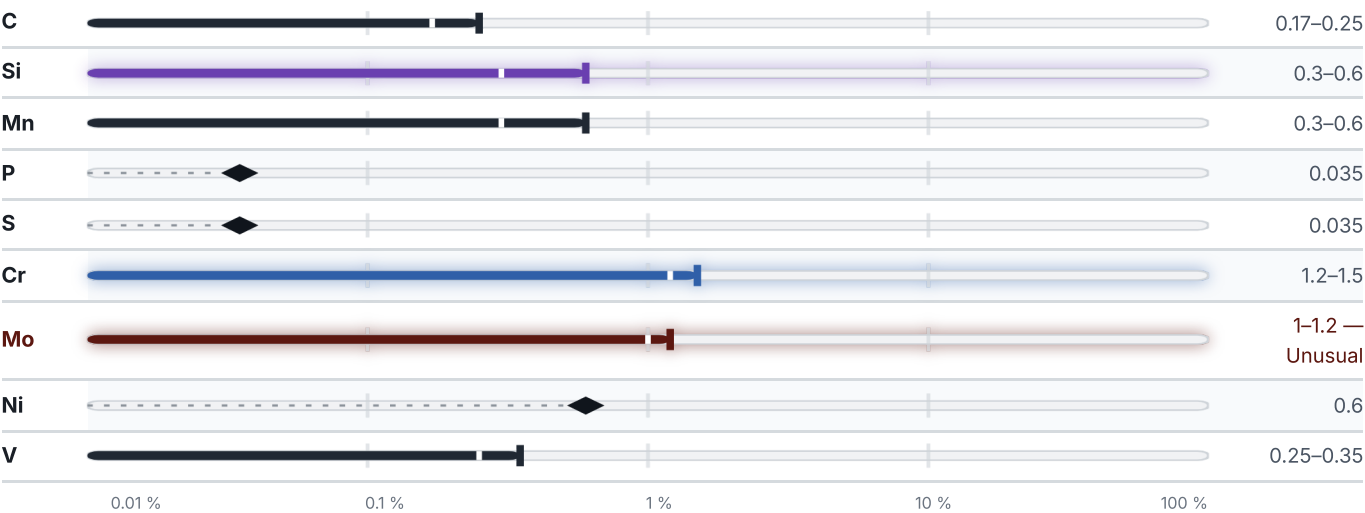
Chemical composition

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

computed from composition · °C

PREDICTED AE3 815 °C	PREDICTED AE1 754 °C	PREDICTED ACM 515 °C	PREDICTED BS 492 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

7 designations · 1 documented as identical

Russia / CIS	3	France	1
21Kh1M1F	gost	20CDV5-07	afnor
25Ch1M1F	gost		
25X1M1Φ	gost	Poland	1
		21HMF	pn
Europe	1	Hungary	1
21CrMoV5-11 This grade's own name	din-en	MCrMoV	msz

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 21CrMoV5-11

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	1.8070	Aug 20, 2026