

MATERIAL NUMBER 1.7231 · CLASS 1.7

GS-42CrMo4V

Material no. 1.7231

also listed as G42CrMo4

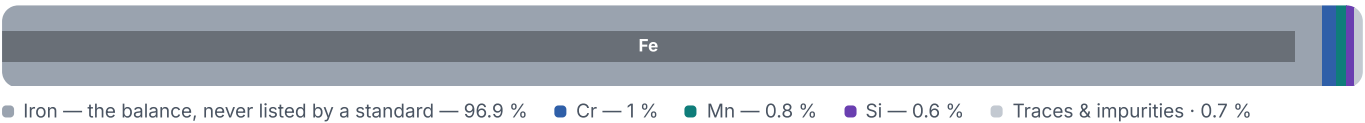
Chemical composition, mechanical and physical property values, and 8 standard designations from 3 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 8 in 3 regions	PROPERTY VALUES 8 on file
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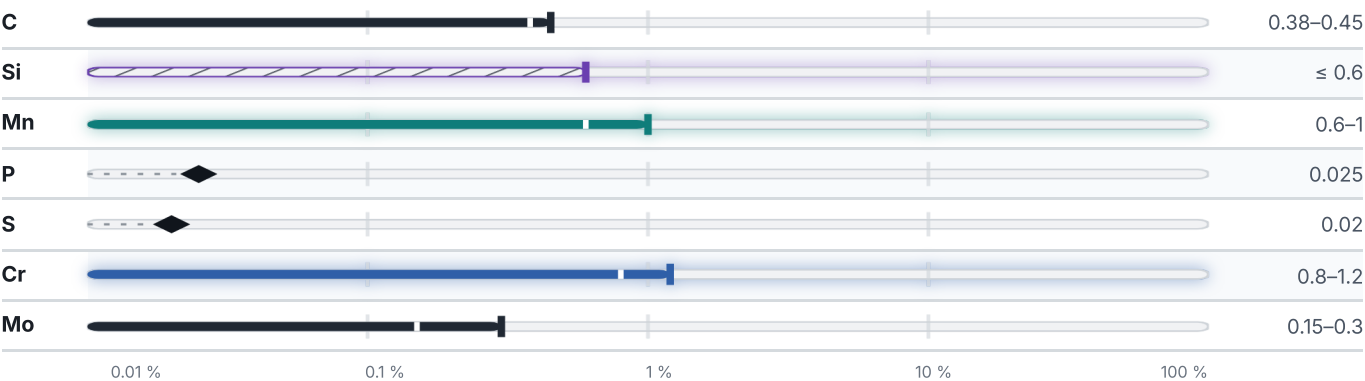
Chemical composition

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

8 designations · 4 documented as identical

Europe	4	United States	3
1.7225	din-en	J14049 This grade's own name	uns
G42CrMo4 This grade's own name	din-en	J24056	uns
GS-42 CrMo 4 This grade's own name	din-en	K13548 This grade's own name	uns
GS-42CrMo4V	din-en		
		China	1
		ZG42CrMo	gb

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 GS-42CrMo4V

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	1.7231	Aug 20, 2026