

MATERIAL NUMBER 1.5419 · CLASS 1.5

J12522

Material no. 1.5419

also listed as G20Mo5

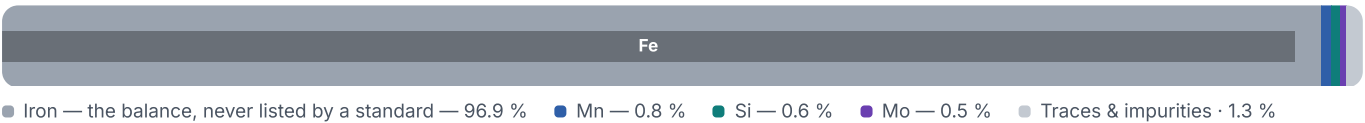
Chemical composition, mechanical and physical property values, and 6 standard designations from 2 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 6 in 2 regions	PROPERTY VALUES 11 on file
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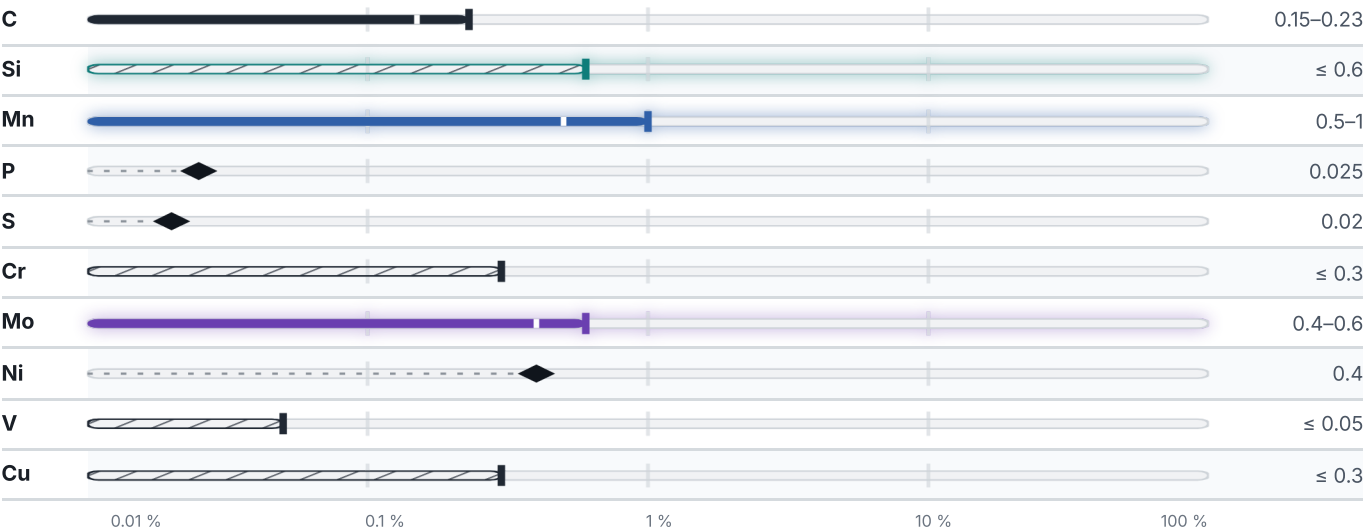
Chemical composition

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 818 °C	PREDICTED AE1 723 °C	PREDICTED ACM 463 °C	PREDICTED BS 548 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

6 designations · 6 documented as identical

United States	4	Europe	2
G44220 This grade's own name	uns	G20Mo5 This grade's own name	din-en
J12522 This grade's own name	uns	GS-22 Mo 4 This grade's own name	din-en
J12524 This grade's own name	uns		
4422 This grade's own name	aisi-sae		

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 J12522

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	1.5419	Aug 20, 2026