

MATERIAL NUMBER 1.9415 · CLASS 1.9

SAE 1025

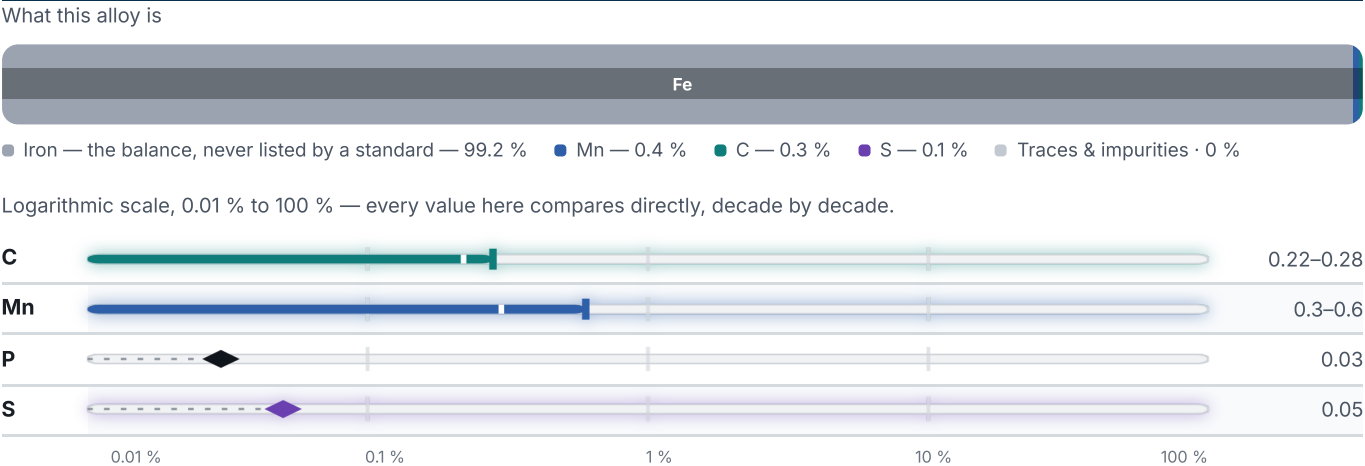
Material no. 1.9415

Chemical composition, mechanical and physical property values, and 7 standard designations from 6 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 7 in 6 regions	PROPERTY VALUES 5 on file
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Chemical composition

Mass fraction in %



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: Si, Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

7 designations · 3 documented as identical

United States		2	International		1
G10250	This grade's own name	uns	C25 C25E4 C25M2		iso
1025	This grade's own name	aisi-sae			
Europe		1	Japan		1
SAE 1025	This grade's own name	din-en	S25C		jis
United Kingdom		1	China		1
C25 C25E C25R		bs	25		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 SAE 1025

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	1.9415	Aug 20, 2026