

MATERIAL NUMBER 1.7213 · CLASS 1.7

CMo 1 E

Material no. 1.7213

also listed as 25CrMoS4

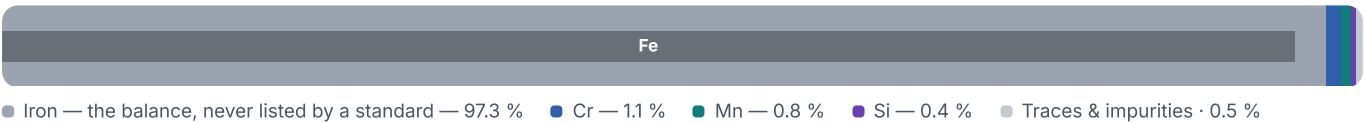
Chemical composition, mechanical and physical property values, and 7 standard designations from 6 regions.

DENSITY 7.75 g/cm³	OTHER DESIGNATIONS 7 in 6 regions	PROPERTY VALUES 8 on file
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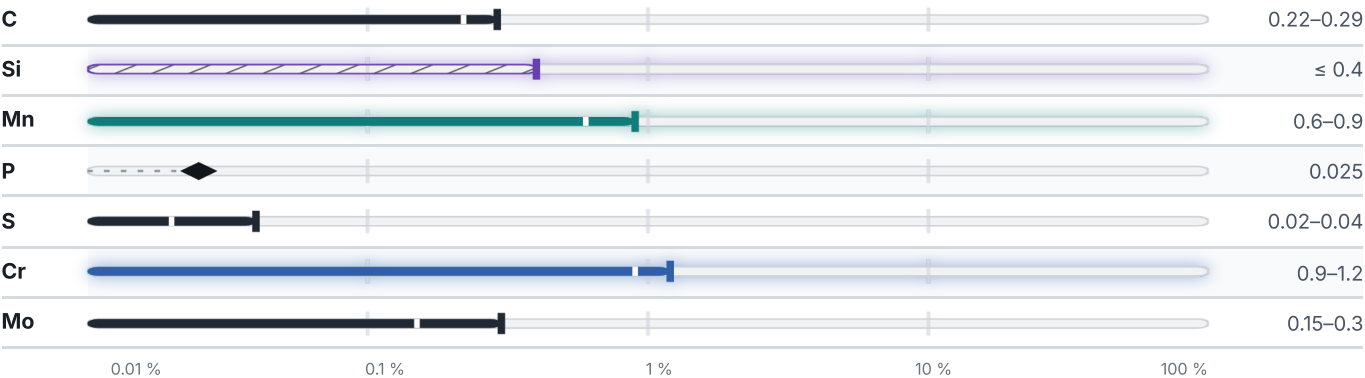
Chemical composition

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.

Mechanical properties

2 values across 2 conditions

TREATED TO IMPROVE SHEARABILITY	HB
Treated to improve shearability	255
SOFT ANNEALED	HB
Soft annealed	212

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.75	g/cm ³

Designations across standards

7 designations · 3 documented as identical

France	2	International	1
25CD4S This grade's own name	afnor	25CrMoS4	iso
25CD4u	afnor	Italy	1
Europe	1	25CrMo4	uni
25CrMoS4 This grade's own name	din-en	Hungary	1
United Kingdom	1	CMo 1 E	msz
S535 This grade's own name	bs		

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 CMo 1 E

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	1.7213	Aug 20, 2026