

MATERIAL NUMBER 1.7226 · CLASS 1.7

1.7226

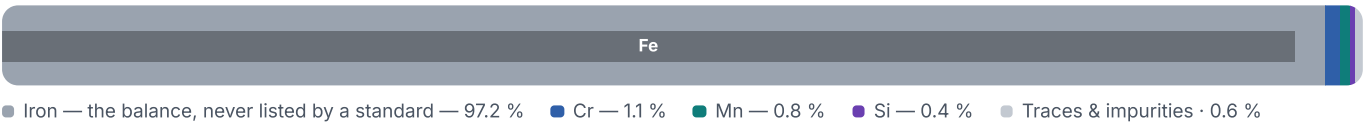
Chemical composition, mechanical and physical property values, and 11 standard designations from 9 regions.

DENSITY 7.74 g/cm ³	OTHER DESIGNATIONS 11 in 9 regions	PROPERTY VALUES 8 on file
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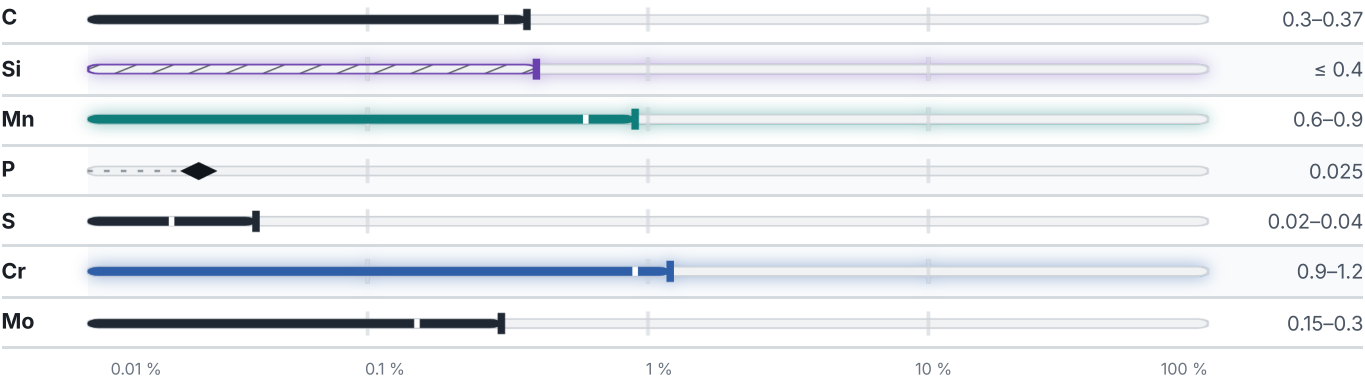
Chemical composition

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

7 values across 3 conditions

QUENCHED AND TEMPERED · ROUND PRODUCTS	A % · Lo = 5,65 √So
≤ 16	11

QUENCHED AND TEMPERED · ROUND PRODUCTS	A % · Lo = 5,65 √So
16 – 40	12
40 – 100	14
100 – 160	15
160 – 250	15
TREATED TO IMPROVE SHEARABILITY	HB
Treated to improve shearability	255
SOFT ANNEALED	HB
Soft annealed	223

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.74	g/cm ³

Designations across standards

11 designations · 6 documented as identical

United States	2	International	1
G41350 This grade's own name	uns	34CrMoS4	iso
4135 This grade's own name	aisi-sae	Japan	1
France	2	SCM435H This grade's own name	jis
34CD4u	afnor	Italy	1
34CR4u This grade's own name	afnor	35CrMo4	uni
Europe	1	Serbia	1
34CrMoS4 This grade's own name	din-en	Č.4783	srps
United Kingdom	1	Hungary	1
708M32 This grade's own name	bs	CMo 3 E	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 1.7226
Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE

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GRADE SEARCH

Search all grades

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ISSUED

Aug 20, 2026