

MATERIAL NUMBER 1.0426 · CLASS 1.0

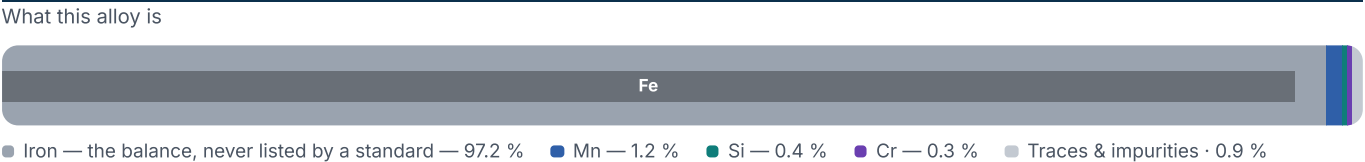
1.0426

Chemical composition, mechanical and physical property values, and 56 standard designations from 17 regions.

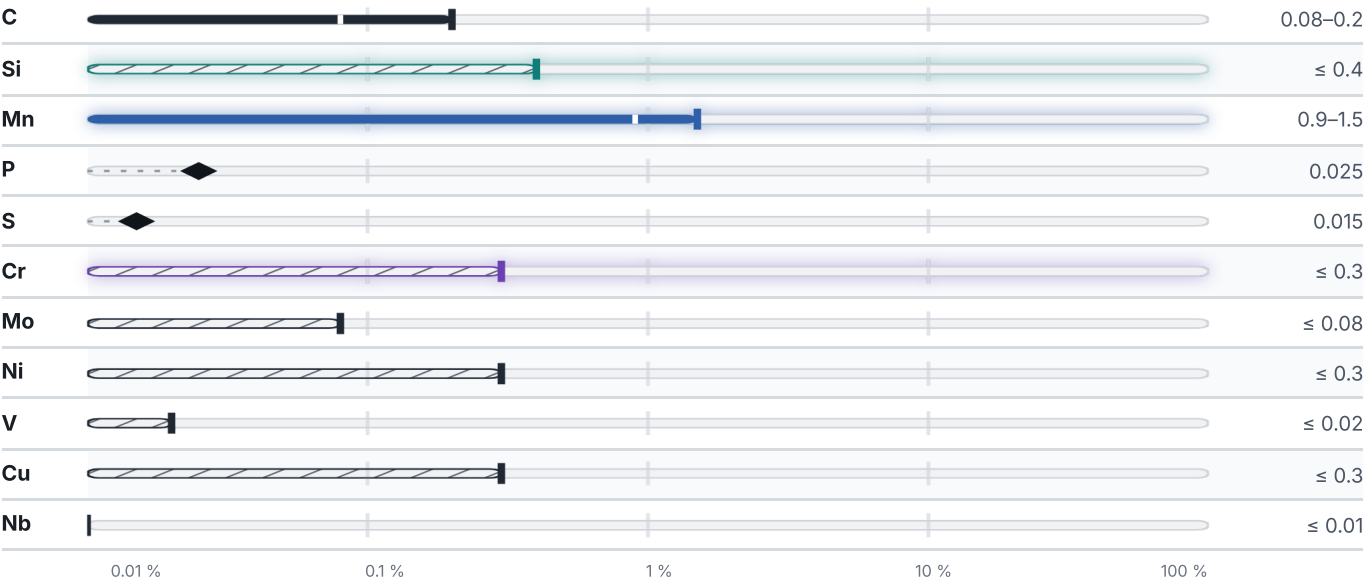
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 56 in 17 regions	PROPERTY VALUES 12 on file
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Chemical composition

Mass fraction in %



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 810 °C	PREDICTED AE1 714 °C	PREDICTED ACM 436 °C	PREDICTED BS 555 °C
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Mechanical properties

2 values across 1 conditions

CONDITION · DIMENSION	REH N/mm ²
≤ 35	280
35 – 160	255

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

56 designations · 5 documented as identical

United States	10	France	4
K01701 This grade's own name	uns	A42AP	afnor
K02100 This grade's own name	uns	A42CP	afnor
K02402 This grade's own name	uns	A42F	afnor
Gr.60	aisi-sae	P265GH	afnor
K01701	aisi-sae		
K02401	aisi-sae	Italy	4
K02402	aisi-sae	Fe4102KG	uni
K02505	aisi-sae	Fe4102KW	uni
K02801	aisi-sae	Fe410KW	uni
X42	aisi-sae	P265GH	uni
Japan	8	Sweden	3
SG295	jis	1430	ss
SGV410	jis	1431	ss
SGV450	jis	1432	ss
SGV480	jis		
SM53B	jis	Czechia	3
SM53C	jis	11 418	csn
SPV235	jis	11416	csn
SPV315	jis	11431	csn
United Kingdom	6	South Korea	3
1501Gr.164-360	bs	SM53C This grade's own name	ks
151-400	bs	SPPV315	ks
161-430	bs	SPPV355	ks
164-360	bs		
400-22	bs	Spain	2
P265GH	bs	A42RCI	une
		A42RCII	une
		Russia / CIS	2
		20K	gost
		20K	gost

Poland	2	Bulgaria	2
St3M	pn	16K	bds
St41K	pn	P265GH	bds
Hungary	2	Europe	1
KL2C	msz	P280GH This grade's own name	din-en
P265GH	msz	Austria	1
Romania	2	St41KW	onorm
K410	stas	Belgium	1
OL44.3	stas	D42-2	nbn

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 1.0426

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	1.0426	Aug 20, 2026