

MATERIAL NUMBER 1.0436 · CLASS 1.0

1.0436

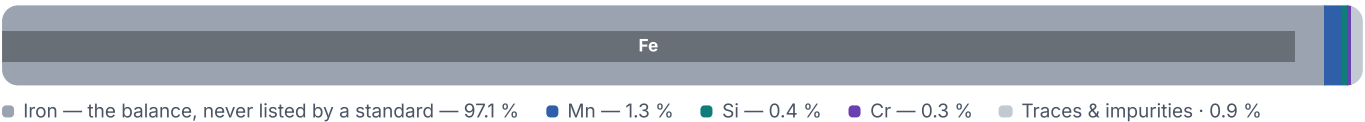
Chemical composition, mechanical and physical property values, and 38 standard designations from 14 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 38 in 14 regions	PROPERTY VALUES 12 on file
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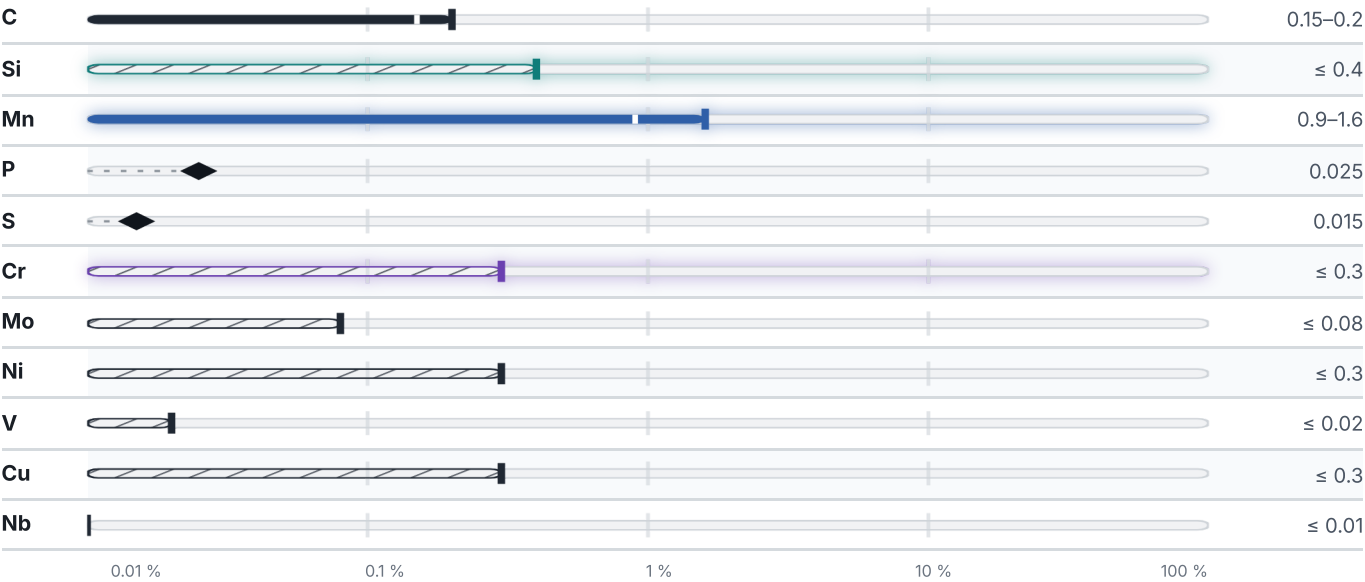
Chemical composition

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 808 °C	PREDICTED AE1 712 °C	PREDICTED ACM 436 °C	PREDICTED BS 551 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

38 designations · 4 documented as identical

United States	10	France	2
K02007 This grade's own name	uns	A48AP	afnor
K02403 This grade's own name	uns	A48FP	afnor
K03006 This grade's own name	uns		
K12447	uns	Russia / CIS	2
K02100	aisi-sae	18k	gost
K02704	aisi-sae	18K	gost
K02707	aisi-sae		
K02800	aisi-sae	Poland	2
K03006	aisi-sae	K18	pn
X46	aisi-sae	St44K	pn
United Kingdom	4	Hungary	2
151-430	bs	A45.47	msz
161-430	bs	KL3	msz
223-460	bs		
430LT	bs	Europe	1
Japan	4	P305GH This grade's own name	din-en
SG325	jis	Sweden	1
SPV315	jis	2103	ss
STB410	jis		
STPT480	jis	Australia / New Zealand	1
Czechia	4	7-430R	as-nzs
11 481	csn	Bulgaria	1
11444	csn	18K	bds
11478	csn		
12022	csn	Austria	1
Italy	3	17Mn4KW	onorm
C18	uni		
Fe510-1KG	uni		
Fe510-1KW	uni		

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 1.0436

Quotation, availability, mill certificate or a technical question — directly on the material page.

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DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026