

MATERIAL NUMBER 1.5415 · CLASS 1.5

15020

Material no. 1.5415

also listed as 15Mo3

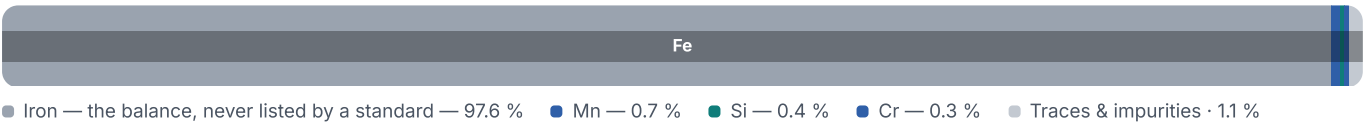
Chemical composition, mechanical and physical property values, and 38 standard designations from 14 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 38 in 14 regions	PROPERTY VALUES 11 on file
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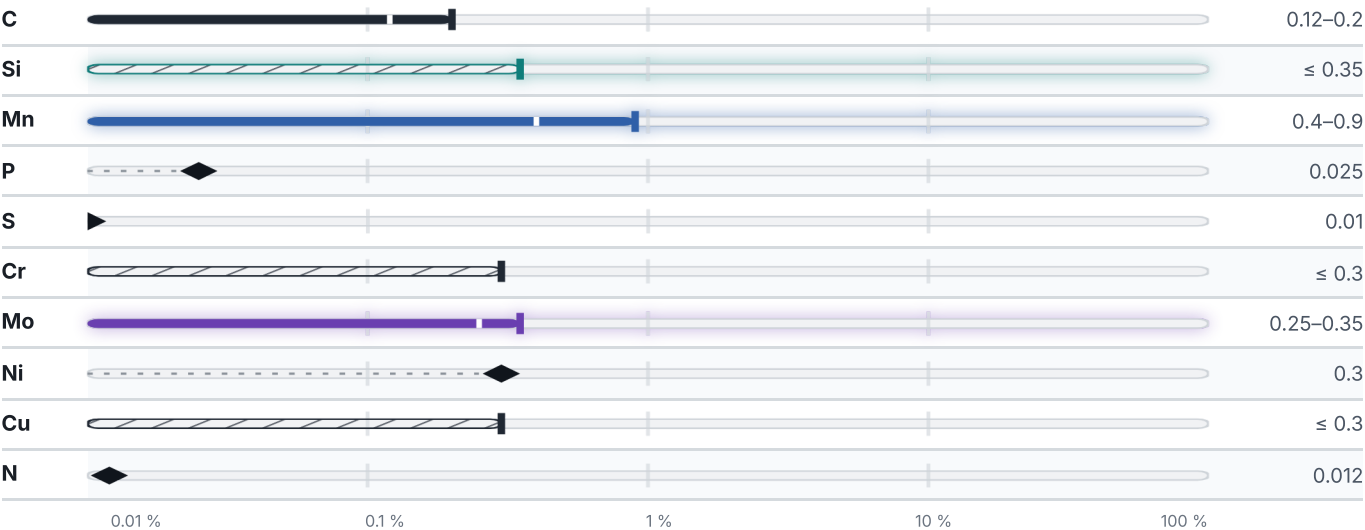
Chemical composition

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 816 °C	PREDICTED AE1 721 °C	PREDICTED ACM 432 °C	PREDICTED BS 565 °C
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Mechanical properties

18 values across 2 conditions

NORMALIZED	REH N/mm ²	RM N/mm ²	A %
≤ 16	275	–	–
16 – 40	270	–	–
40 – 60	260	–	23
≤ 40	–	–	24
≤ 60	–	440–590	–
60 – 100	240	430–580	22
100 – 150	220	420–570	19
150 – 250	210	410–570	–
QUENCHED AND TEMPERED	REH N/mm ²	RM N/mm ²	
≤ 250	265	440–570	
250 – 500	250	420–550	

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

38 designations · 6 documented as identical

United States	12	International	3
K11820	This grade's own name uns	F26	iso
K12020	This grade's own name uns	P26	iso
K12320	This grade's own name uns	TS26	iso
K12822	This grade's own name uns		
A204 (A)	aisi-sae	Italy	3
A204Gr.A	aisi-sae	15Mo3	uni
A204Gr.B	aisi-sae	16Mo3	uni
ASTM A204Gr.A	aisi-sae	16Mo3KW	uni
A 182 Grade F1	astm		
A 234 Grade WP1	astm	France	2
A 335 Grade P1	astm	15D3	afnor
A204	astm	15M03	afnor
Europe	4	Japan	1
1.5415	din-en	STBA12	jis
15Mo3	This grade's own name din-en		
16Mo3	This grade's own name din-en	Sweden	1
A204Gr.B	din-en	2912	ss
United Kingdom	4	Czechia	1
1501-240	bs	15020	csn
1503-243B	bs		
240	bs	Slovakia	1
243	bs	15 020	stn
Spain	3	Poland	1
16Mo3	une	16M	pn
F.2601	une		
F.2601 -16 Mo 3	une	Serbia	1
		Č.7100	srps
		Austria	1
		15Mo3KW	onorm

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 15020

Start an enquiry

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

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

1.5415

ISSUED

Aug 20, 2026