

MATERIAL NUMBER 1.5415 · CLASS 1.5

16M

Material no. 1.5415

also listed as 15Mo3

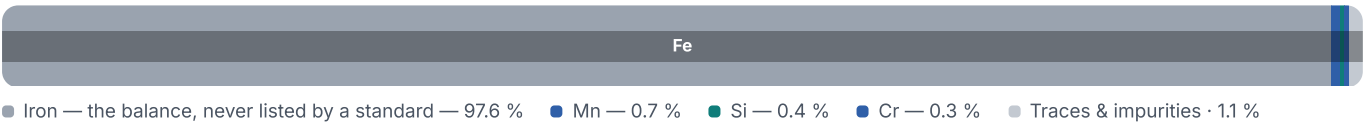
Chemical composition, mechanical and physical property values, and 38 standard designations from 14 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 38 in 14 regions	PROPERTY VALUES 11 on file
------------------------------	---	--------------------------------------

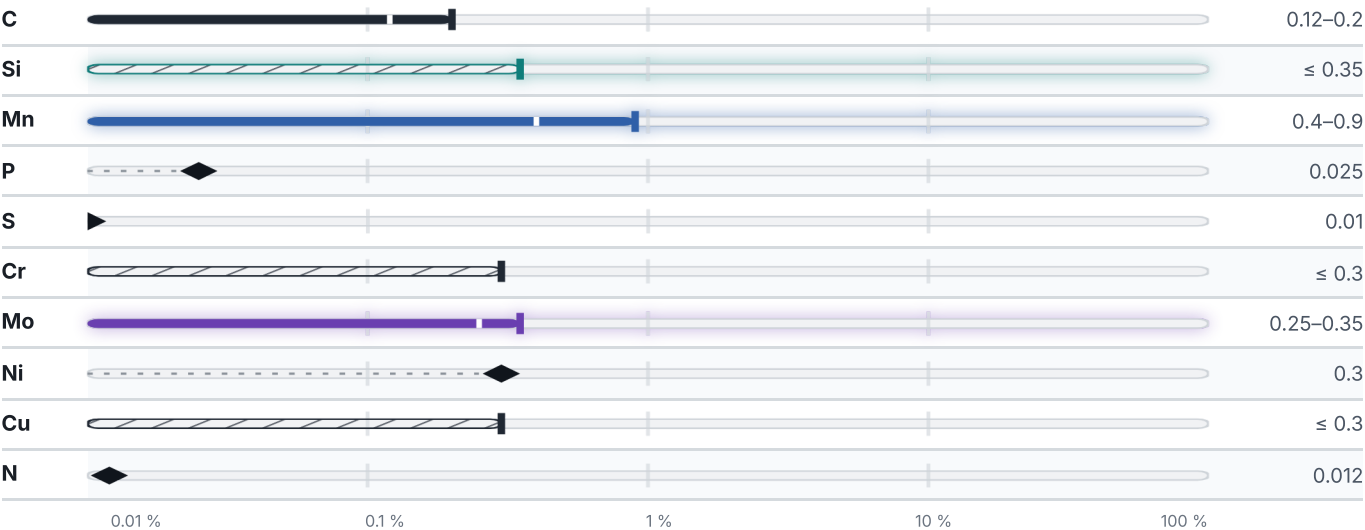
Chemical composition

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
-------------------------	-------------------------	-------------------------	------------------------

Mechanical properties

18 values across 2 conditions

NORMALIZED	REH N/mm²	RM N/mm²	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/mm²	RM N/mm²	
≤ 250	265	440–570	
250 – 500	250	420–550	

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

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	Serbia		1
F.2601 -16 Mo 3		une	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 16M

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