

MATERIAL NUMBER 1.5218 · CLASS 1.5

22MnV6

Material no. 1.5218

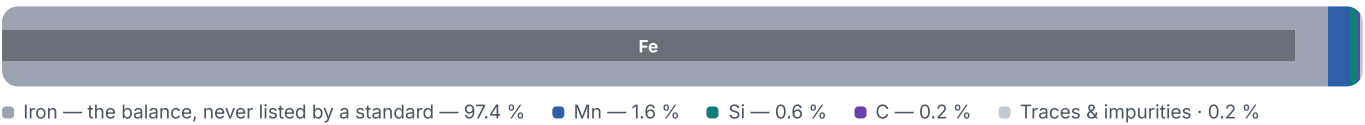
Chemical composition, mechanical and physical property values, and 26 standard designations from 14 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 26 in 14 regions	PROPERTY VALUES 10 on file
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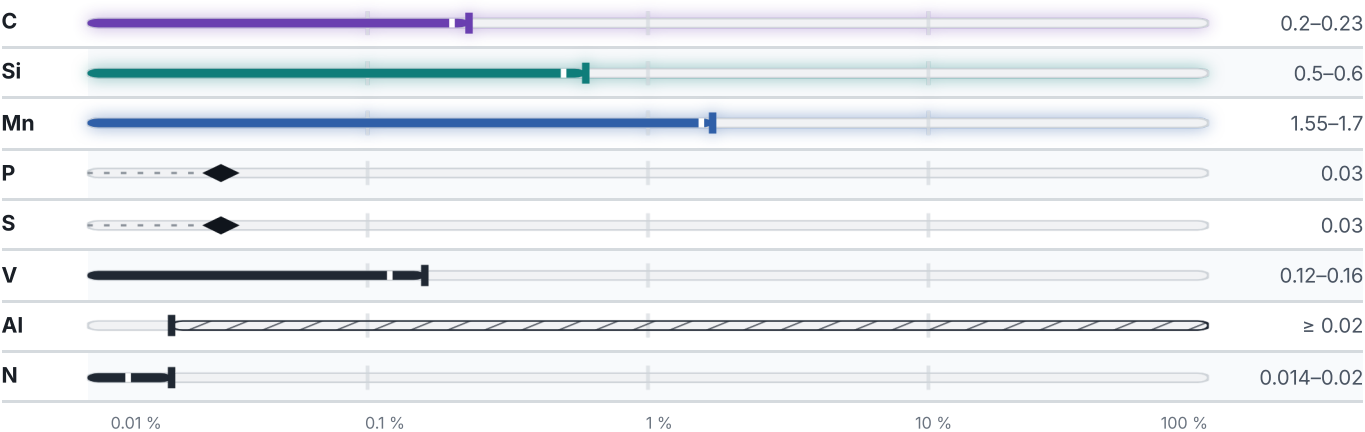
Chemical composition

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, Cr, Mo.

Mechanical properties

3 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %
Sheet	600	450	19

Physical properties

2 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Technological properties

PROPERTY	VALUE	UNIT
Weldability	without limitations.	

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Normalizing	Temperature not stated	—
Tempering	Temperature not stated	—

Designations across standards

26 designations · 1 documented as identical

United States5		Japan2	
A350(LF6CL1)	aisi-sae	SM520B	jis
A350(LF6CL2)	aisi-sae	SM520C	jis
A350(LF6CL3)	aisi-sae	Russia / CIS2	
K02900	aisi-sae	18G2AF	gost
K12202	aisi-sae	18Г2АФ	gost
China3		Italy2	
15MnVNR	gb	FeE460KG	uni
18MnMoNbR	gb	P460N	uni
Q460C	gb	Poland2	
United Kingdom2		18G2AV	pn
55F	bs	19G2FA	pn
P460N	bs	Europe1	
Spain2		22MnV6	This grade's own name din-en
AE460KG	une	France1	
P460N	une	P460N	afnor

Sweden	1	Hungary	1
2143	ss	E460D	msz
Czechia	1	Switzerland	1
13220	csn	StE47	snv

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 22MnV6
Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE View the material page	GRADE SEARCH Search all grades	MATERIAL NO. 1.5218	ISSUED Aug 20, 2026
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