

MATERIAL NUMBER 1.5218 · CLASS 1.5

19G2FA

Material no. 1.5218

also listed as 22MnV6

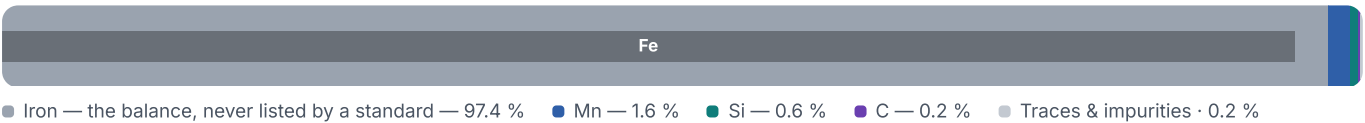
Chemical composition, mechanical and physical property values, and 26 standard designations from 14 regions.

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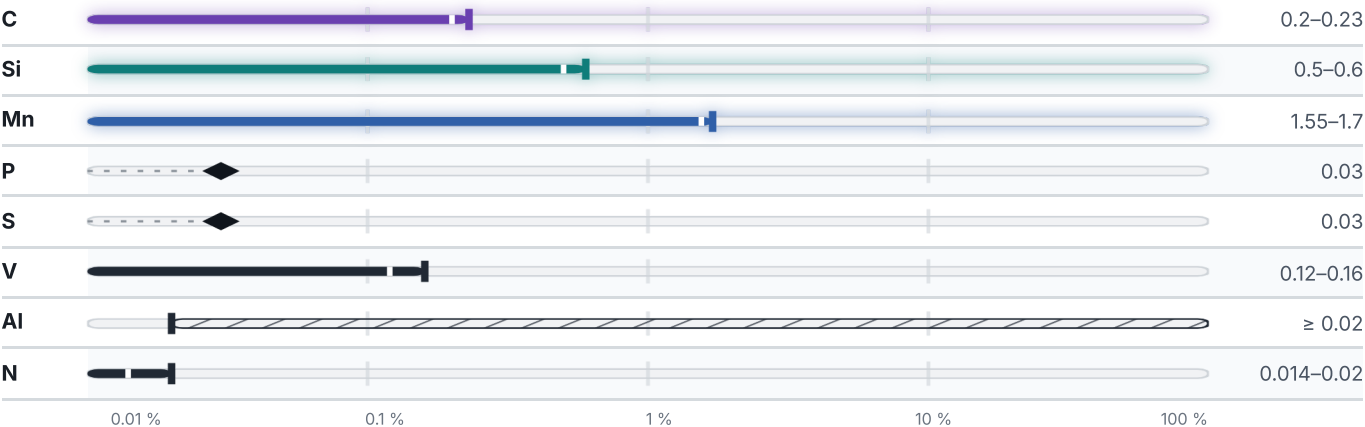
Chemical composition

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 States		5	Japan	2
A350(LF6CL1)	aisi-sae		SM520B	jis
A350(LF6CL2)	aisi-sae		SM520C	jis
A350(LF6CL3)	aisi-sae			
K02900	aisi-sae		Russia / CIS	2
K12202	aisi-sae		18G2AF	gost
			18Г2АФ	gost
China		3	Italy	2
15MnVNR	gb		FeE460KG	uni
18MnMoNbR	gb		P460N	uni
Q460C	gb			
United Kingdom		2	Poland	2
55F	bs		18G2AV	pn
P460N	bs		19G2FA	pn
Spain		2	Europe	1
AE460KG	une		22MnV6 This grade's own name	din-en
P460N	une		France	1
			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 19G2FA
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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