SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.5218 · CLASS 1.5

1.5218

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

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	26 in 14 regions	10 on file

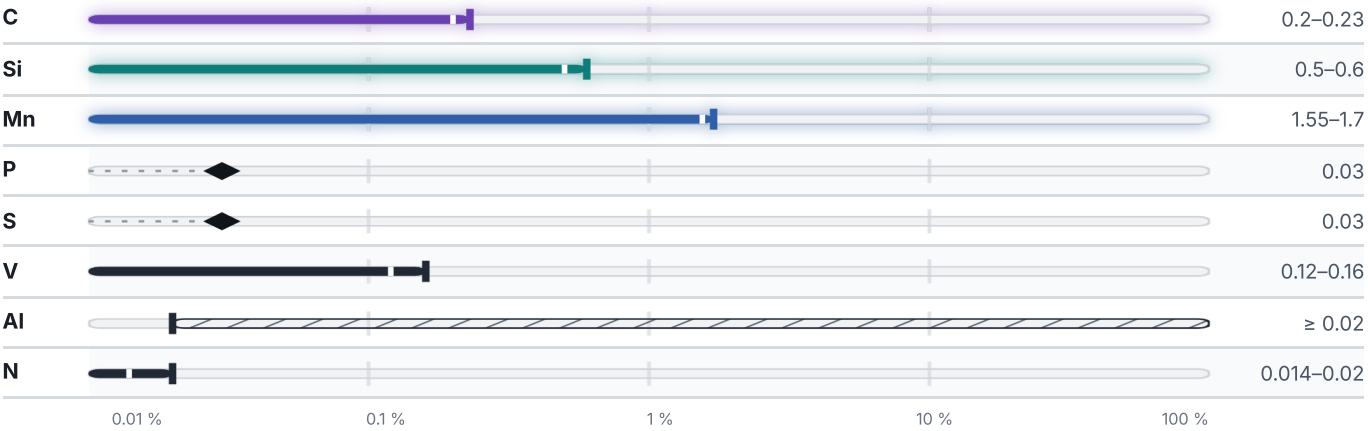
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 97.4 % · Mn — 1.6 % · Si — 0.6 % · C — 0.2 % · Traces & impurities · 0.2 %

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/mm²	RE N/mm²	A5 %
Sheet	600	450	19

Physical properties

2 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

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

A350(LF6CL1)	aisi-sae
A350(LF6CL2)	aisi-sae
A350(LF6CL3)	aisi-sae
K02900	aisi-sae
K12202	aisi-sae

China 3

15MnVNR	gb
18MnMoNbR	gb
Q460C	gb

United Kingdom 2

55F	bs
P460N	bs

Spain 2

AE460KG	une
P460N	une

Japan 2

SM520B	jis
SM520C	jis

Russia / CIS 2

18G2AF	gost
18Г2АФ	gost

Italy 2

FeE460KG	uni
P460N	uni

Poland 2

18G2AV	pn
19G2FA	pn

Europe 1

22MnV6 This grade's own name	din-en

France 1

P460N	afnor

Sweden	1
2143	ss

Hungary	1
E460D	msz

Czechia	1
13220	csn

Switzerland	1
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 1.5218

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

Start an enquiry

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