

MATERIAL NUMBER 1.5223 · CLASS 1.5

13242

Material no. 1.5223

also listed as 42MnV7

Chemical composition, mechanical and physical property values, and 9 standard designations from 8 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	9 in 8 regions	7 on file

Chemical composition

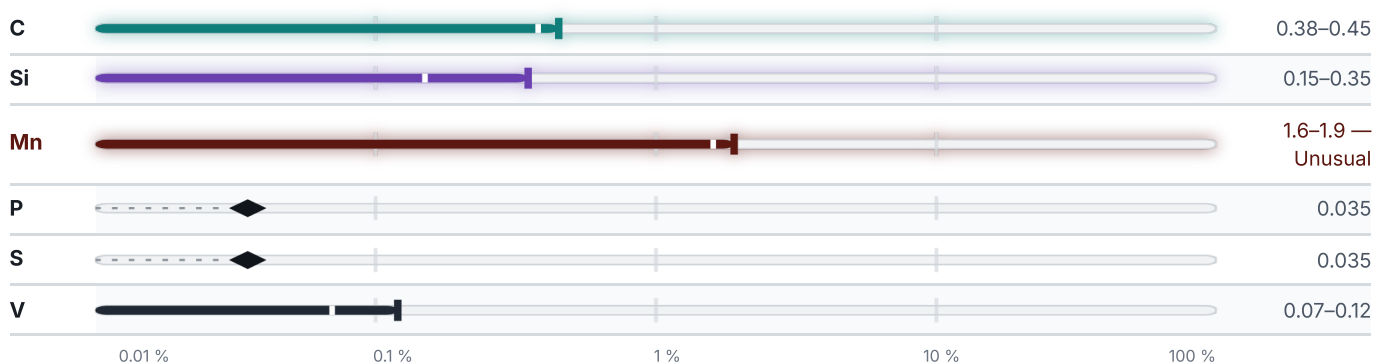
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 97.4 % ● Mn — 1.8 % ● C — 0.4 % ● Si — 0.3 % ● 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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

9 designations · 1 documented as identical

United States	2	China	1
G13400	uns	40Mn2	gb
1340	aisi-sae		
		Russia / CIS	1
Europe	1	40Г2	gost
42MnV7	This grade's own name din-en		
		Czechia	1
France	1	13242	csn
40M5	afnor		
		Serbia	1
Japan	1	Č.3830	srps
SMn443	jis		

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 13242

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	1.5223	Aug 20, 2026