

MATERIAL NUMBER 1.7243 · CLASS 1.7

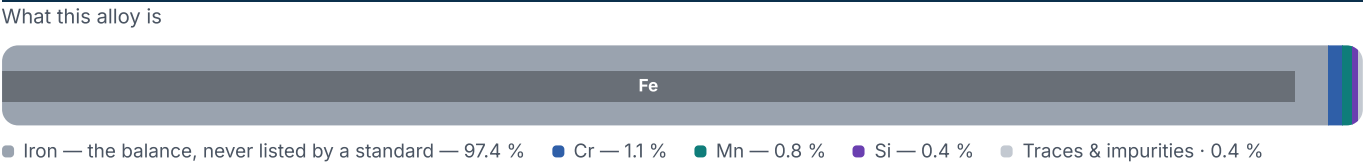
1.7243

Chemical composition, mechanical and physical property values, and 23 standard designations from 13 regions.

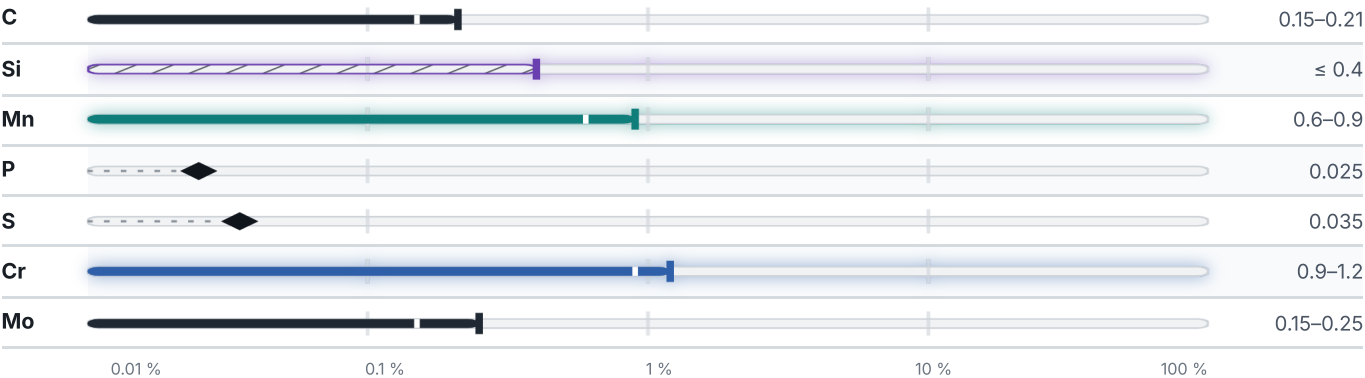
DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 23 in 13 regions	PROPERTY VALUES 8 on file
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Chemical composition

Mass fraction in %



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.

Mechanical properties

12 values across 7 conditions

QUENCHING AND DRAWING	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
Ø 15	780	590	12	50	880

QUENCHED AND TEMPERED	RM N/mm ²	A %
≤ 160	485–660	20
CONDITION · DIMENSION		HB
(annealing) , GOST 4543-71		179
SOFT ANNEALED		HB
Soft annealed		207
TREATED TO HARDNESS RANGE		HB
Treated to hardness range		156–207
TREATED TO FERRITE-PEARLITE STRUCTURE AND HARDNESS RANGE		HB
Treated to ferrite-pearlite structure and hardness range		140–187
CONDITION · DIMENSION		RM N/mm ²
200		1100

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

23 designations · 1 documented as identical

Spain	4	France	2
18CrMo4	une	18CD4	afnor
A-1550	une	18CrMo4	afnor
CMO	une		
F-1550	une	Japan	2
		SCM418	jis
International	3	SCM418H	jis
15CrMo4	iso		
18CrMo4	iso	Poland	2
18CrMoS4	iso	15HGM	pn
		18HGM	pn
United Kingdom	2		
708H20	bs	Hungary	2
708M20	bs	~BCMo 1	msz
		BCMo 2	msz

Europe	1	Czechia	1
18CrMo4	This grade's own name din-en	15124	csn
Russia / CIS	1	Slovakia	1
20KHM	gost	15 124	stn
Italy	1	Romania	1
18CrMo4	uni	21MoMnCr12	stas

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 1.7243

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	1.7243	Aug 20, 2026