

MATERIAL NUMBER 1.3247 · CLASS 1.3

1.3247

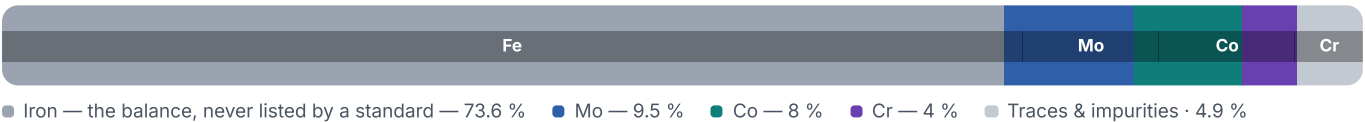
Chemical composition, mechanical and physical property values, and 28 standard designations from 14 regions.

DENSITY 8.01 g/cm³	OTHER DESIGNATIONS 28 in 14 regions	PROPERTY VALUES 11 on file
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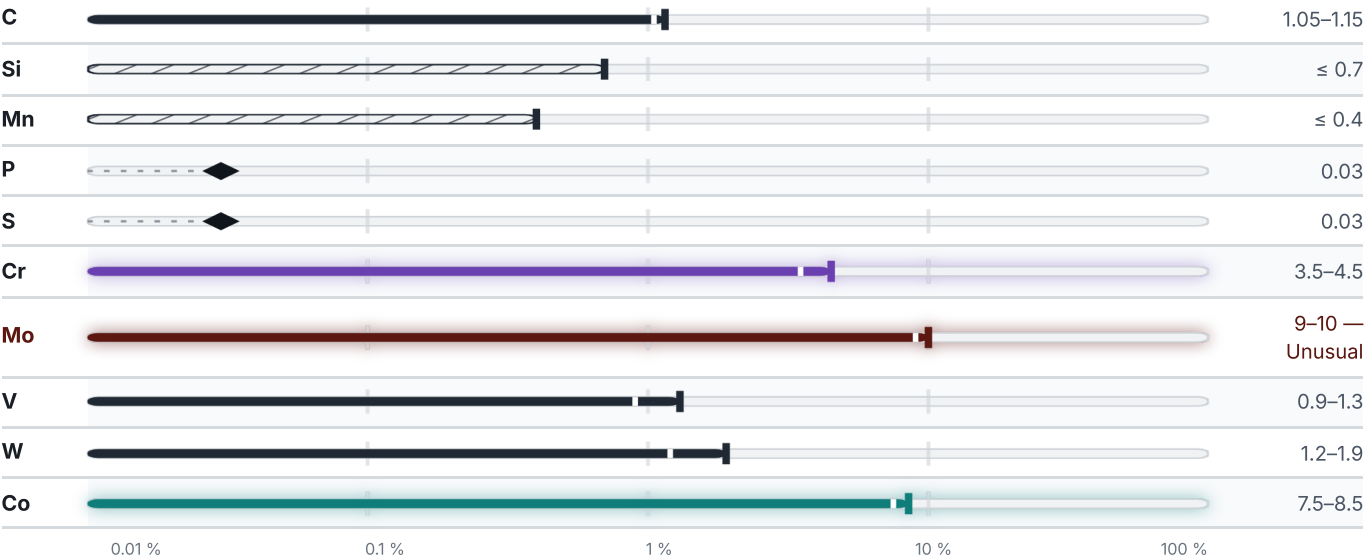
Chemical composition

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.

Mechanical properties

3 values across 3 conditions

CONDITION · DIMENSION	HB
Annealed	277
SOFT ANNEALED	HB
Soft annealed	277
CONDITION · DIMENSION	HB
(annealing) , GOST 19265-73	285

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.01	g/cm ³

Heat treatment

4 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Preheating	800–900 °C	—
Quenching	1170–1190 °C	—
Tempering	550 °C	—
Annealing	Temperature not stated	—
source joins the operations with + / procedural order		
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—
Annealing	Temperature not stated	—

Designations across standards

28 designations · 5 documented as identical

United States8		Spain2	
T11342	This grade's own nameuns	7-4-2-5	une
T11342 / T11842	uns	F.5615	une
M30	aisi-sae	International1	
M42	This grade's own nameaisi-sae	HS2-9-1-8iso	
M47	aisi-sae	Japan1	
T11330	aisi-sae	SKH59jis	
T11342	aisi-sae	China1	
T11347	aisi-sae	W2Mo9Cr4VCo8gb	
Russia / CIS4		Italy1	
R2AM9K	gost	HS2-9-1-8uni	
R2M10K8	gost	Poland1	
R2AM9K5	gost	SK8Mpn	
P2AM9K5	gost	Hungary1	
Europe2		R11msz	
HS2-9-1-8	This grade's own namedin-en	Bulgaria1	
S 2-10-1-8	This grade's own namedin-en	R2M8K5F2bds	
United Kingdom2		South Korea1	
BM42	bs	SKH59This grade's own nameks	
BT42	bs		
France2			
HS2-9-1-8	afnor		
Z110DKCWV09-08-04-02-01	afnor		

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 1.3247

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	1.3247	Aug 20, 2026