

MATERIAL NUMBER 1.2346 · CLASS 1.2

1.2346

Chemical composition, mechanical and physical property values, and 6 standard designations from 5 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 6 in 5 regions	PROPERTY VALUES 10 on file
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Chemical composition

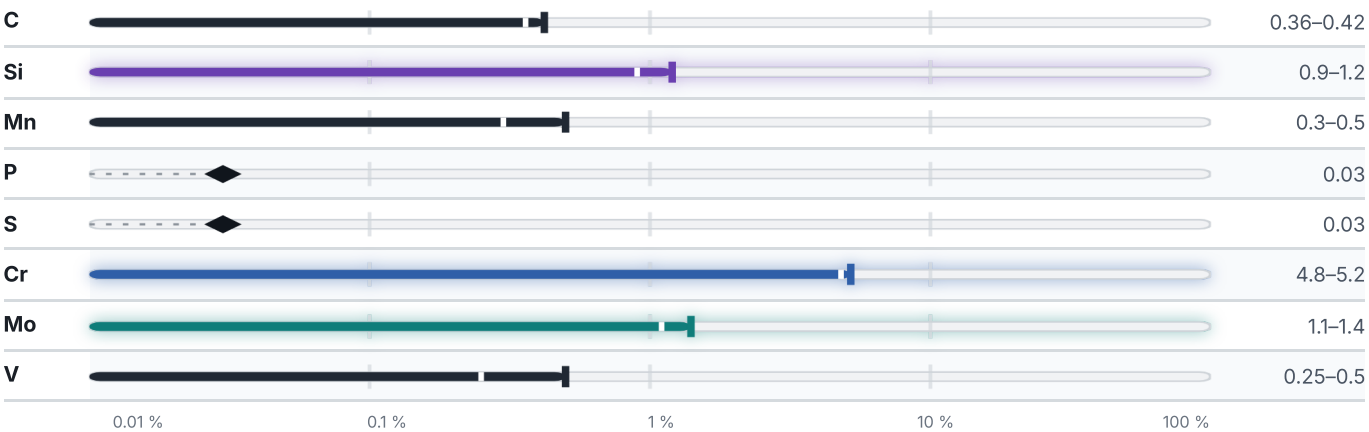
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 91.5 % ● Cr — 5 % ● Mo — 1.3 % ● Si — 1.1 % ● Traces & impurities · 1.2 %

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.

Mechanical properties

1 values across 1 conditions

CONDITION · DIMENSION	HB
(annealing)	255

Physical properties

2 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³
Transformation point Ac1	815	°C

Designations across standards

6 designations · 1 documented as identical

Russia / CIS	2	United States	1
KH12VM	gost	D4	aisi-sae
X12BM	gost		
		Spain	1
Europe	1	X210CrW12	une
GX38CrMoV5-1	This grade's own name din-en		
		Japan	1
		SKD-2	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 1.2346

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.

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ISSUED

Aug 20, 2026