

MATERIAL NUMBER 1.4938 · CLASS 1.4

X11CrNiMoN12

Material no. 1.4938

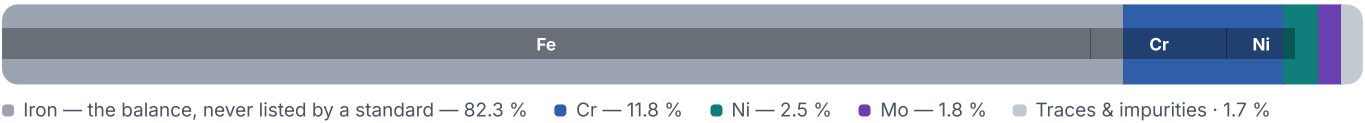
Chemical composition, mechanical and physical property values, and 7 standard designations from 3 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 7 in 3 regions	PROPERTY VALUES 11 on file
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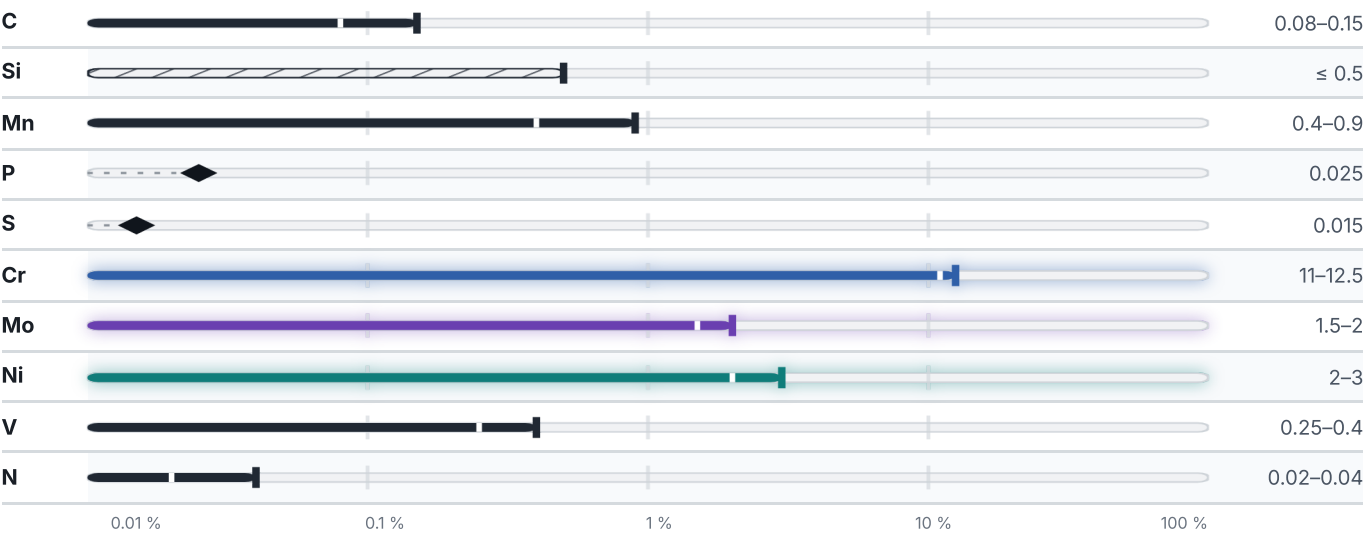
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties		1 values across 1 conditions
SOFT ANNEALED		HB
Soft annealed		311

Physical properties			1 values
PROPERTY	VALUE	UNIT	
Density	7.85	g/cm³	

Designations across standards			7 designations · 2 documented as identical		
France		3	Europe		2
X13VD	afnor		X11CrNiMoN12	This grade's own name	din-en
Z12CNDV12-02	afnor		X12CrNiMoV12-3	This grade's own name	din-en
Z12CNDV12-03	afnor		China		2
			10Cr12Ni3Mo2VN		gb
			S47250		gb

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 X11CrNiMoN12

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	1.4938	Aug 20, 2026