

MATERIAL NUMBER 1.4909 · CLASS 1.4

00Cr17Ni13Mo2N

Material no. 1.4909

also listed as X2CrNiMoN17-12-2

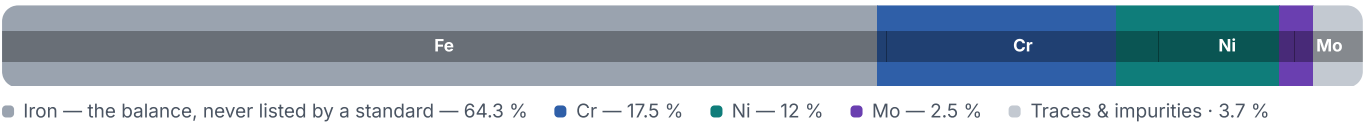
Chemical composition, mechanical and physical property values, and 5 standard designations from 5 regions.

DENSITY 7.85 g/cm³	ELASTIC MODULUS 200 GPa	OTHER DESIGNATIONS 5 in 5 regions	PROPERTY VALUES 18 on file
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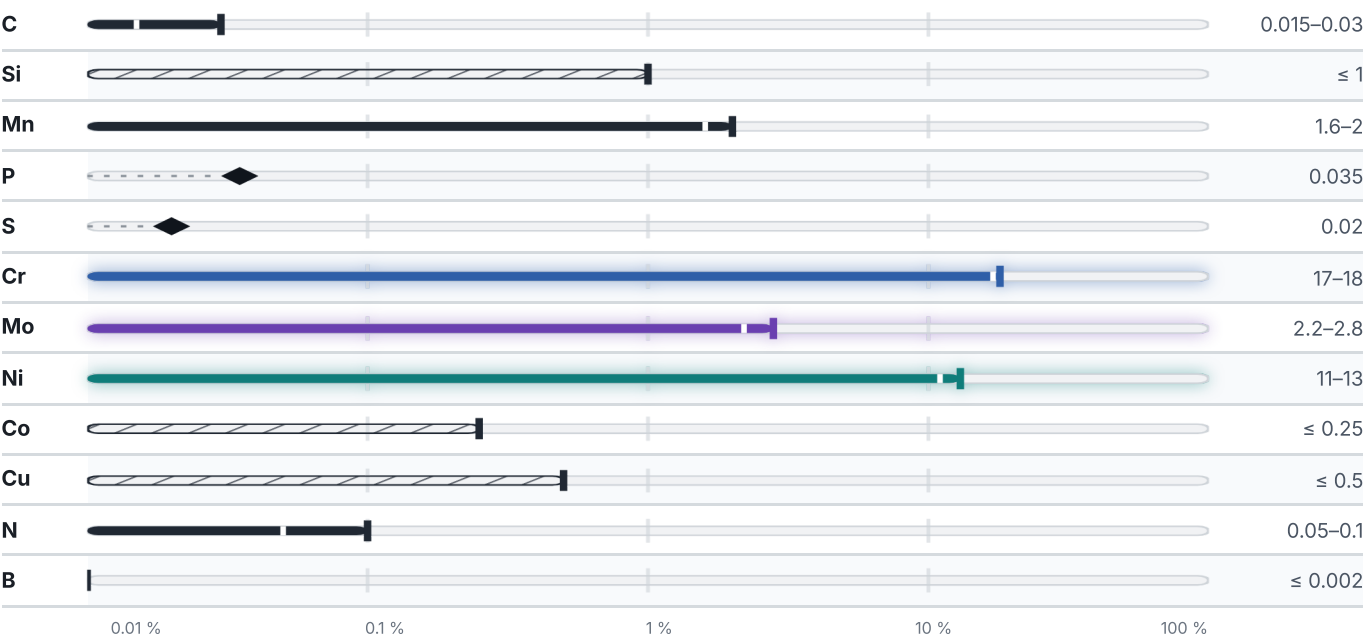
Chemical composition

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.

Physical properties

6 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³
Elastic modulus	200	GPa
Thermal expansion coefficient	15	10 ⁻⁶ /K
Thermal conductivity	15	W/(m·K)
Specific heat capacity	500	J/(kg·K)
Electrical resistivity	750	nΩ·m

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
Solution annealing	Temperature not stated	—

Designations across standards

5 designations · 1 documented as identical

Europe	1	Japan	1
X2CrNiMoN17-12-2	This grade's own name din-en	SUS316LN	jis
United States	1	China	1
S31653	uns	00Cr17Ni13Mo2N	gb
France	1		
Z3CND17-11Az	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 00Cr17Ni13Mo2N

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	1.4909	Aug 20, 2026