

MATERIAL NUMBER 1.4311 · CLASS 1.4

SUS304LN

Material no. 1.4311

also listed as X2CrNiN18-10

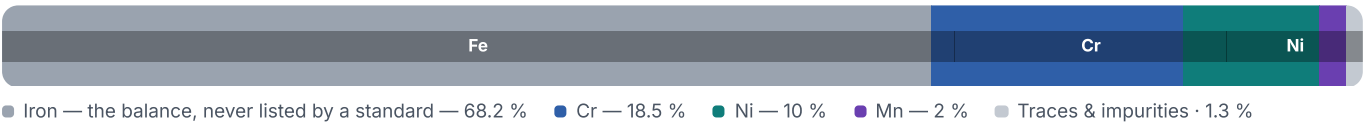
Chemical composition, mechanical and physical property values, and 55 standard designations from 12 regions.

DENSITY 7.95 g/cm ³	OTHER DESIGNATIONS 55 in 12 regions	PROPERTY VALUES 9 on file
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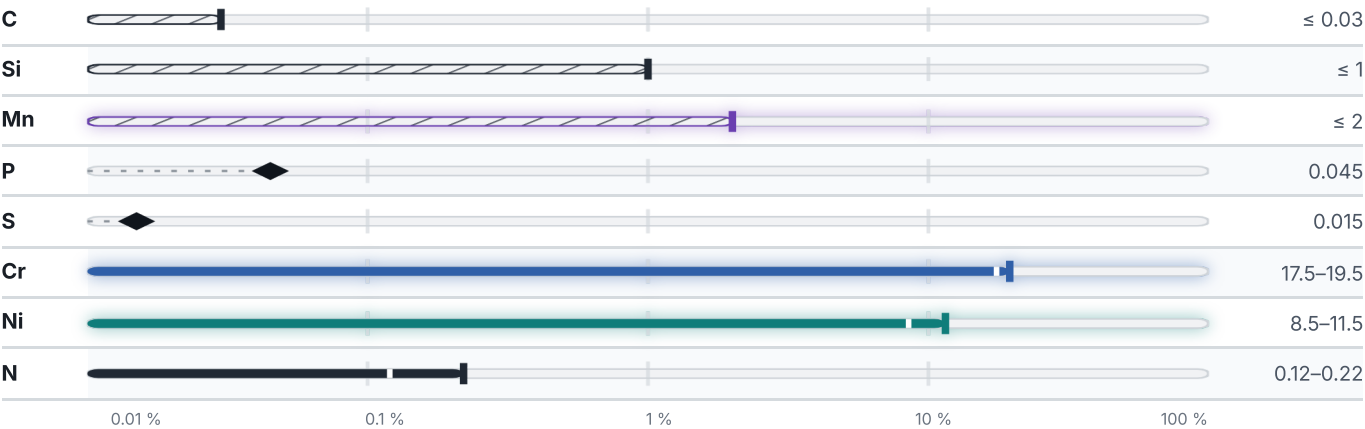
Chemical composition

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: Mo.

Mechanical properties

8 values across 3 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %	HB	HRB	HV
Plate/Sheet Hot-rolled	550	245	40	–	–	–
Hot-rolled	–	–	–	217	95	220
SOFT ANNEALED						HB
Soft annealed						230
SOLUTION ANNEALED						HB
Solution annealed						210

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.95	g/cm ³

Heat treatment

2 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Solution annealing	Temperature not stated	—
Annealing	Temperature not stated	—
Solution annealing	Temperature not stated	—

55 designations · 4 documented as identical

United States	35	Europe	3
S30300	uns	1.4311	din-en
S30400	uns	X2CrNiN18-10	din-en
S30403	uns	X2CrNiN18-9	din-en
S30453	uns		
S30500	uns	France	3
303	aisi-sae	Z2CN18.10	afnor
304	aisi-sae	Z2CN18.10AZ	afnor
304L	aisi-sae	Z3CN18-10Az	afnor
304LN	aisi-sae		
305	aisi-sae	Poland	3
S30453	aisi-sae	00H18N10	pn
A1012	astm	0H18N10	pn
A182	astm	0H18N9	pn
A193	astm		
A194	astm	United Kingdom	2
A213	astm	304 S 61	bs
A240	astm	304S62	bs
A249	astm		
A269	astm	Spain	2
A276	astm	F. 3541	une
A312	astm	X 2 CrNiN 18-10	une
A320	astm		
A358	astm	Japan	2
A376	astm	SUS F 304LN	jis
A403	astm	SUS304LN	jis
A479	astm		
A666	astm	China	1
A688	astm	0Cr18Ni10N	gb
A813	astm		
A924	astm	Italy	1
A943	astm	X2CrNiN1811	uni
A965	astm		
A988	astm	Sweden	1
TP304	astm	2371	ss
TP304L	astm		
		Czechia	1
		17259VN	csn
		former Yugoslavia	1
		Č.45707	ju

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 SUS304LN

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026