

MATERIAL NUMBER 1.4309 · CLASS 1.4

F.8412

Material no. 1.4309

also listed as GX2CrNi19-11

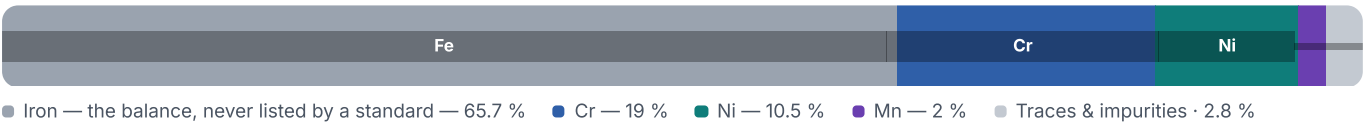
Chemical composition, mechanical and physical property values, and 13 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 13 in 7 regions	PROPERTY VALUES 11 on file
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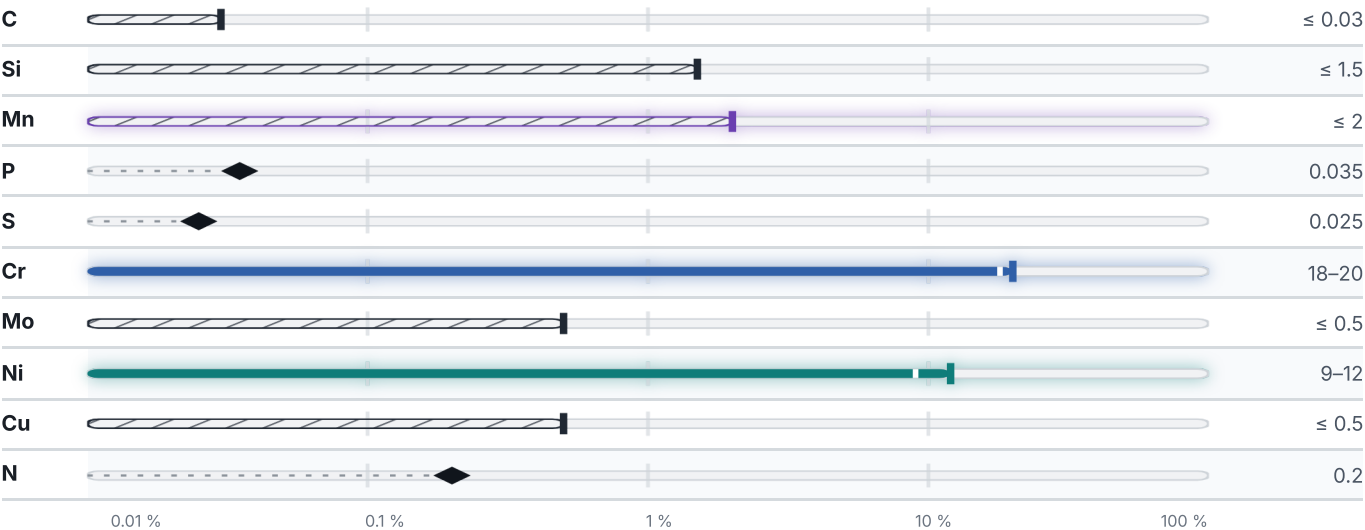
Chemical composition

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

13 designations · 4 documented as identical

United States	5	Europe	1
J92500 This grade's own name	uns	GX2CrNi19-11 This grade's own name	din-en
J92620 This grade's own name	uns		
304L This grade's own name	aisi-sae	United Kingdom	1
J92500	aisi-sae	304C12	bs
J92620	aisi-sae		
United States / Aerospace	2	Spain	1
5511	ams	F.8412	une
5647	ams		
Japan	2	Brazil	1
SCS 19	jis	304 L	abnt
SCS 19A	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 F.8412

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	1.4309	Aug 20, 2026