

MATERIAL NUMBER 1.4466 · CLASS 1.4

S310050

Material no. 1.4466

also listed as X1CrNiMoN25-22-2

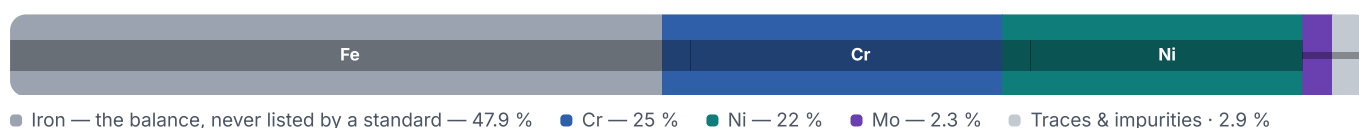
Chemical composition, mechanical and physical property values, and 9 standard designations from 5 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	9 in 5 regions	10 on file

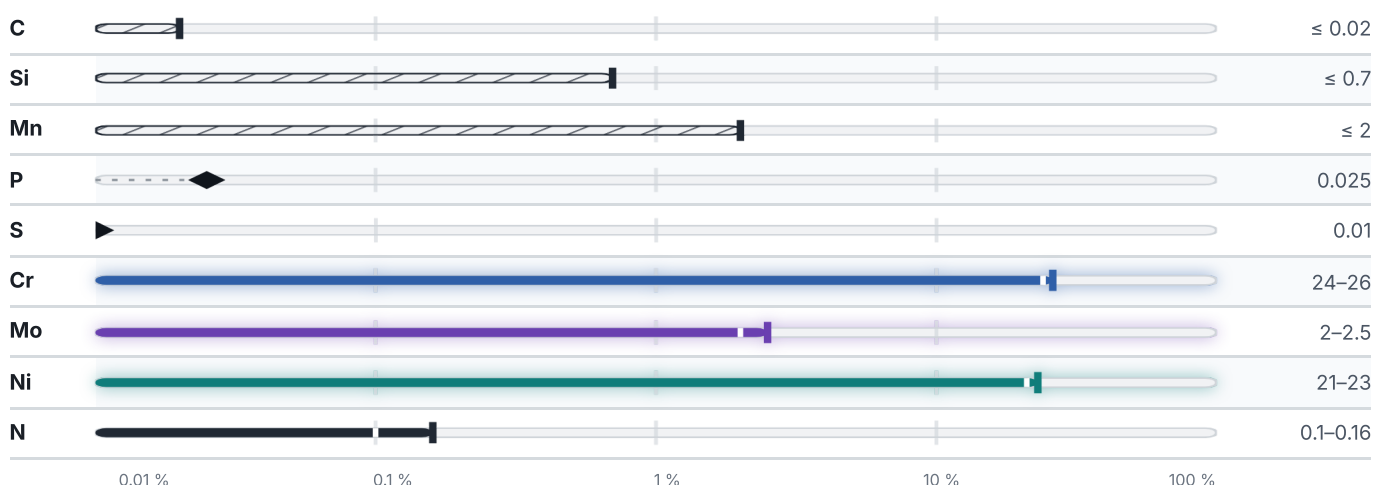
Chemical composition

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	240

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

9 designations · 3 documented as identical

United States	4	Europe	1
S31050 This grade's own name	uns	X1CrNiMoN25-22-2 This grade's own name	din-en
310MoLN This grade's own name	aisi-sae		
S310050	aisi-sae	United Kingdom	1
25.22.2	astm	725LN	bs
Russia / CIS	2	France	1
02Ch25N22AM2	gost	Z2CND25-22Az	afnor
02X25H22AM2	gost		

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 S310050

[Start an enquiry](#)

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

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

1.4466

ISSUED

Aug 20, 2026