

MATERIAL NUMBER 1.4551 · CLASS 1.4

S347780

Material no. 1.4551

also listed as X5CrNiNb19-9

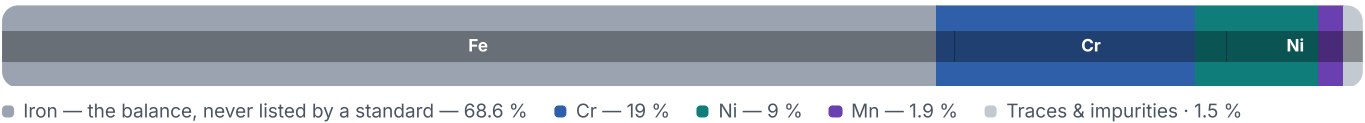
Chemical composition, mechanical and physical property values, and 10 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 10 in 5 regions	PROPERTY VALUES 8 on file
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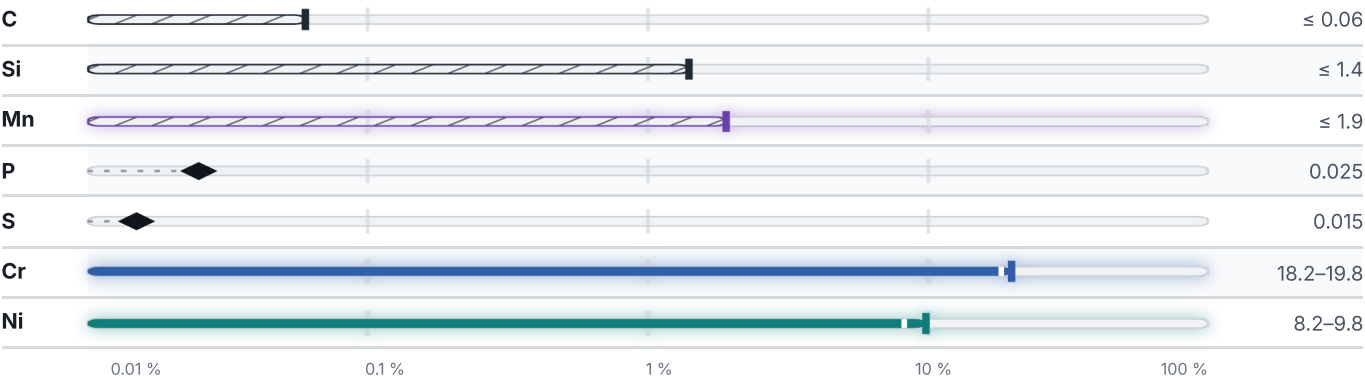
Chemical composition

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

10 designations · 4 documented as identical

United States6		France1	
S34780	This grade's own nameuns	Z6CNNb20-10	afnor
S34781	This grade's own nameuns		
S34788	This grade's own nameuns	Japan1	
S347780	aisi-sae	SUS Y 347	jis
S34781	aisi-sae		
S34788	aisi-sae	Czechia1	
		S 07 Cr20Ni10Nb1	csn
Europe1			
X5CrNiNb19-9	This grade's own namedin-en		

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 S347780

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	1.4551	Aug 20, 2026