

MATERIAL NUMBER 1.4886 · CLASS 1.4

B512

Material no. 1.4886

also listed as X10NiCrSi35-19

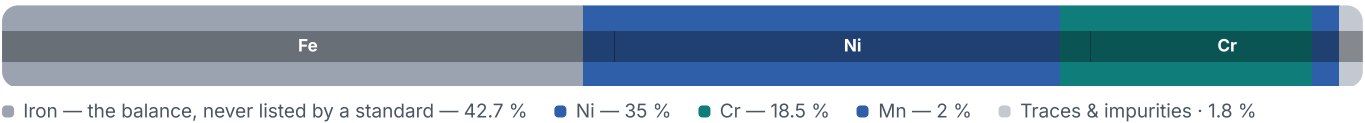
Chemical composition, mechanical and physical property values, and 21 standard designations from 10 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 21 in 10 regions	PROPERTY VALUES 9 on file
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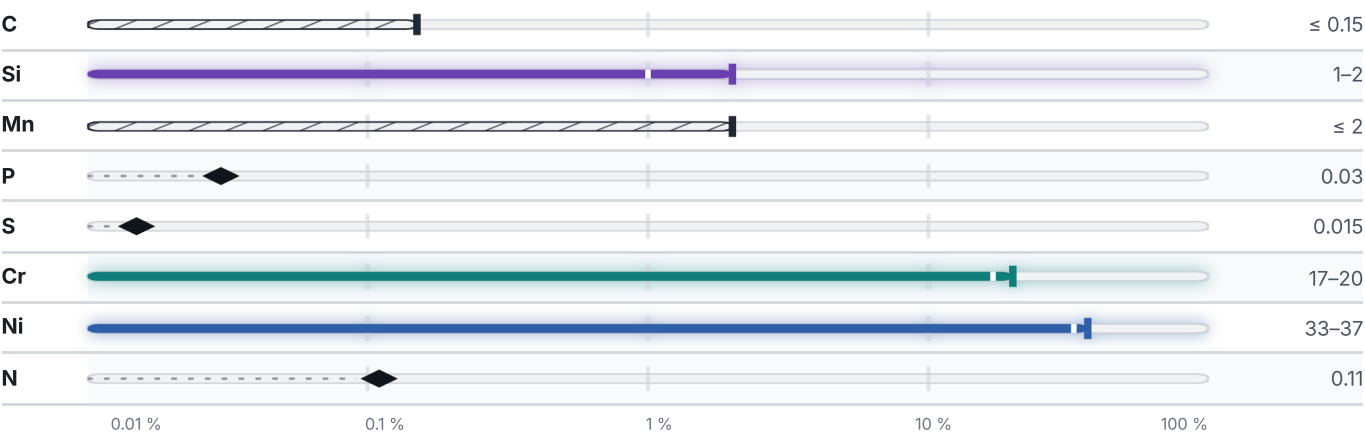
Chemical composition

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

1 values across 1 conditions

SOLUTION ANNEALED	HB
Solution annealed	200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

21 designations · 2 documented as identical

United States	12	France	1
N08330 This grade's own name	uns	Z20NCS33-16	afnor
330	aisi-sae		
B511	astm	United States / Aerospace	1
B512	astm	5592	ams
B535	astm		
B536	astm	Russia / CIS	1
B546	astm	XH35BT	gost
B710	astm		
B726	astm	Czechia	1
B739	astm	17253	csn
B829	astm		
N08330	astm	Slovakia	1
		17 253	stn
Europe	1		
X10NiCrSi35-19 This grade's own name	din-en	Poland	1
		H16N36S2	pn
United Kingdom	1		
NA17	bs	Romania	1
		12SiCrNi360	stas

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 B512

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

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ISSUED

Aug 20, 2026