

MATERIAL NUMBER 1.2782 · CLASS 1.2

X16CrNiSi25-20

Material no. 1.2782

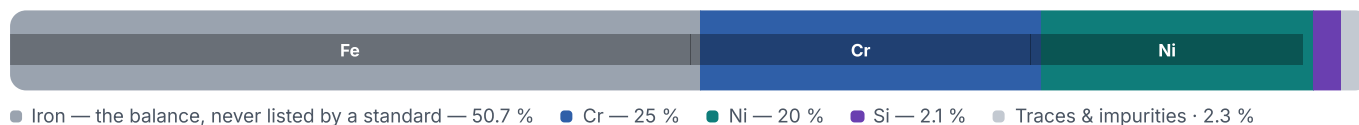
Chemical composition, mechanical and physical property values, and 9 standard designations from 6 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	9 in 6 regions	8 on file

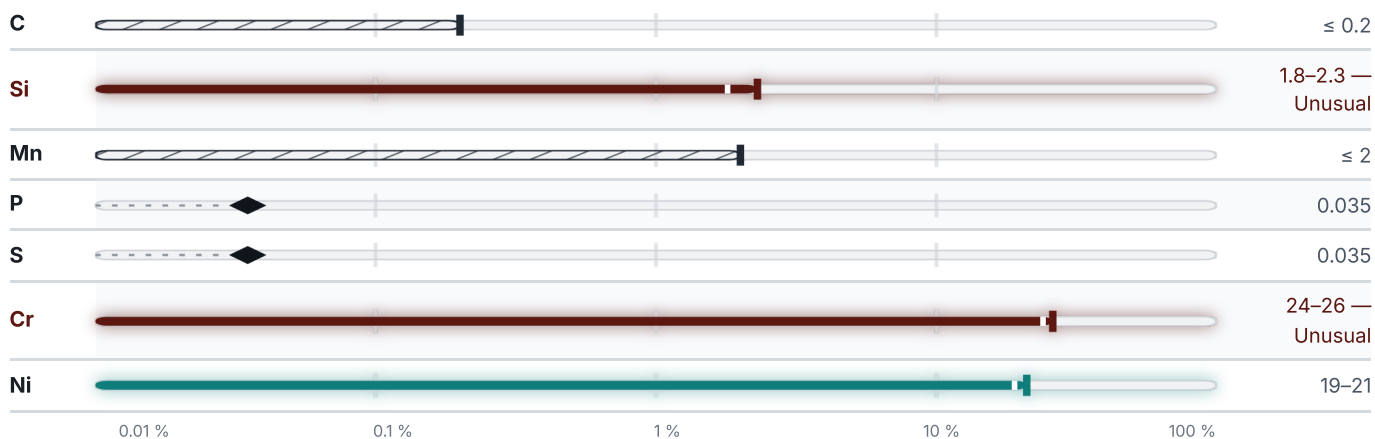
Chemical composition

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

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

9 designations · 1 documented as identical

United States	3	Europe	1
S31000	uns	X16CrNiSi25-20	This grade's own name din-en
30310	aisi-sae	France	1
310	aisi-sae	Z15CNS25-20	afnor
Russia / CIS	2	Spain	1
20Ch25N20S2	gost	F-3310	une
20Kh25N20S2	gost	Poland	1
		H25N20S2	pn

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 X16CrNiSi25-20

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

[Start an enquiry](#)

DATASHEET ONLINE

View the material page

GRADE SEARCH

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ISSUED

Aug 20, 2026