

MATERIAL NUMBER 1.2782 · CLASS 1.2

1.2782

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

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

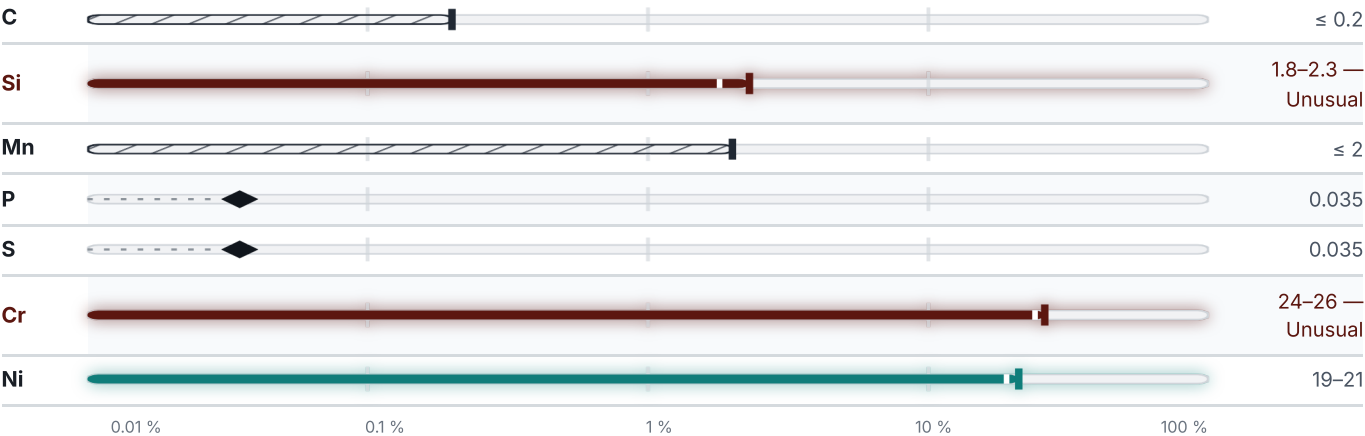
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 50.7 % ● Cr — 25 % ● Ni — 20 % ● Si — 2.1 % ● Traces & impurities · 2.3 %

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 1.2782

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

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

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ISSUED

Aug 20, 2026