

MATERIAL NUMBER 1.4826 · CLASS 1.4

1.4826

Chemical composition, mechanical and physical property values, and 28 standard designations from 13 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 28 in 13 regions	PROPERTY VALUES 9 on file
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Chemical composition

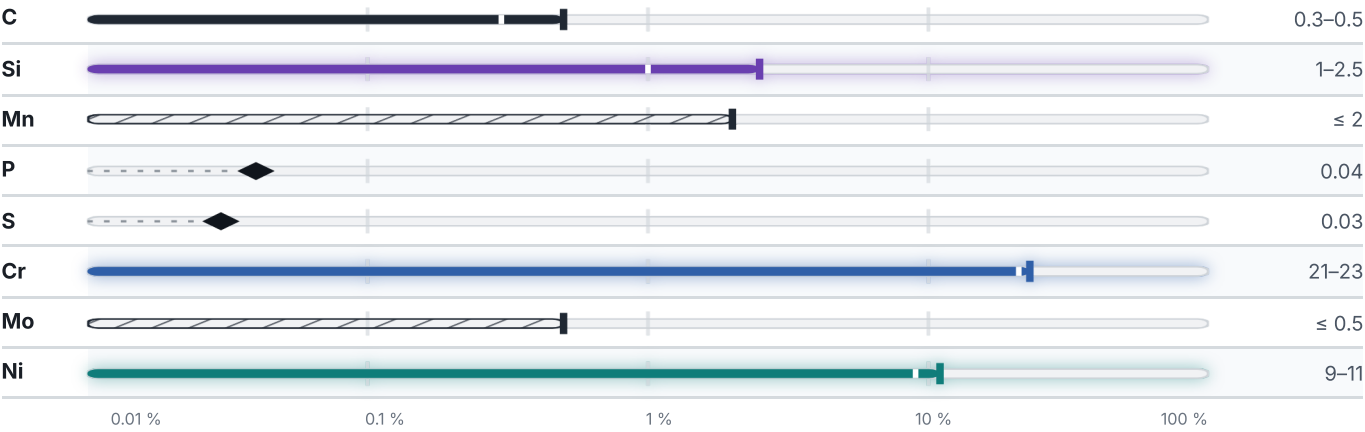
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 63.3 % ● Cr — 22 % ● Ni — 10 % ● Mn — 2 % ● Traces & impurities · 2.7 %

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

28 designations · 2 documented as identical

United States		7	Russia / CIS		2
J92502		uns	40KH24N12SL		gost
J92803		uns	40X24H12CЛ		gost
HF		aisi-sae	Czechia		2
HH		aisi-sae	422 934		csn
J93503		aisi-sae	422936		csn
J94003		aisi-sae	France		1
J94013		aisi-sae	Z40CN25-12		afnor
Japan		4	China		1
SCH12		jis	ZG35Cr26Ni12		gb
SCH13A		jis	Italy		1
SCH17		jis	GX35CrNi25-12		uni
SCS17		jis	Poland		1
South Korea		3	LH23N18C		pn
HRSC13A		ks	Hungary		1
HRSC17		ks	40CrNiSi25-12		msz
SSC17		ks	Romania		1
Europe		2	T35NiCr260		stas
GX40CrNiSi22-10	This grade's own name	din-en			
GX40CrNiSi22-9	This grade's own name	din-en			
United Kingdom		2			
309C30		bs			
309C35		bs			

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 1.4826

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