

MATERIAL NUMBER 1.4825 · CLASS 1.4

1.4825

Chemical composition, mechanical and physical property values, and 13 standard designations from 4 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 13 in 4 regions	PROPERTY VALUES 9 on file
------------------------------	--	-------------------------------------

Chemical composition

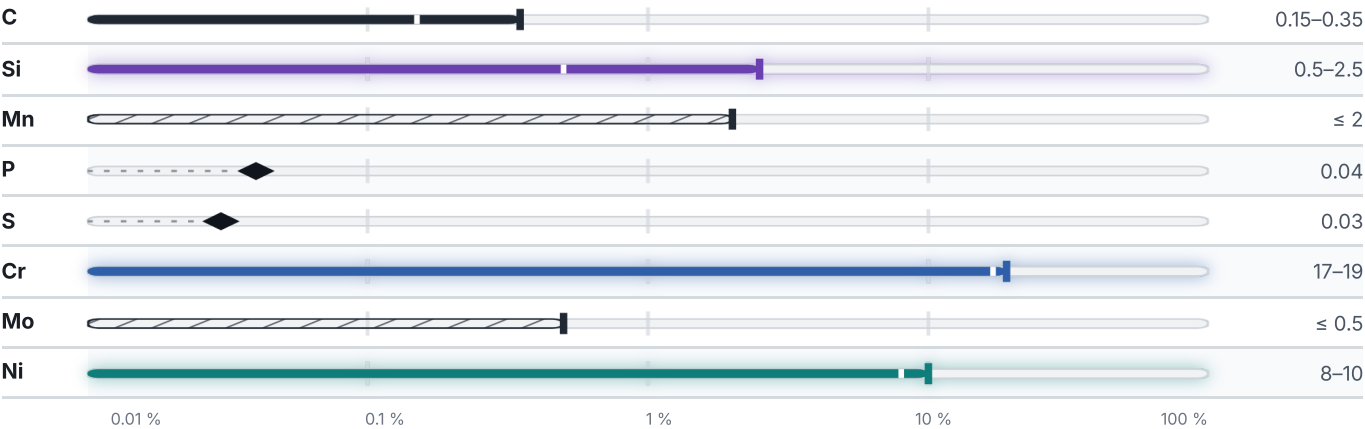
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 68.7 % ● Cr — 18 % ● Ni — 9 % ● Mn — 2 % ● 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

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

13 designations · 4 documented as identical

United States		9	Japan		2
J92502		uns	SCH31		jis
J92602	This grade's own name	uns	SCS 12		jis
J92603	This grade's own name	uns			
J92803		uns	Europe		1
302mod	This grade's own name	aisi-sae	GX25CrNiSi18-9	This grade's own name	din-en
J92502		aisi-sae			
J92602		aisi-sae	Czechia		1
J92603		aisi-sae	422 932		csn
J92803		aisi-sae			

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 1.4825

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

MATERIAL NO.

1.4825

ISSUED

Aug 20, 2026