

MATERIAL NUMBER 1.1625 · CLASS 1.1

C 0.85

Material no. 1.1625

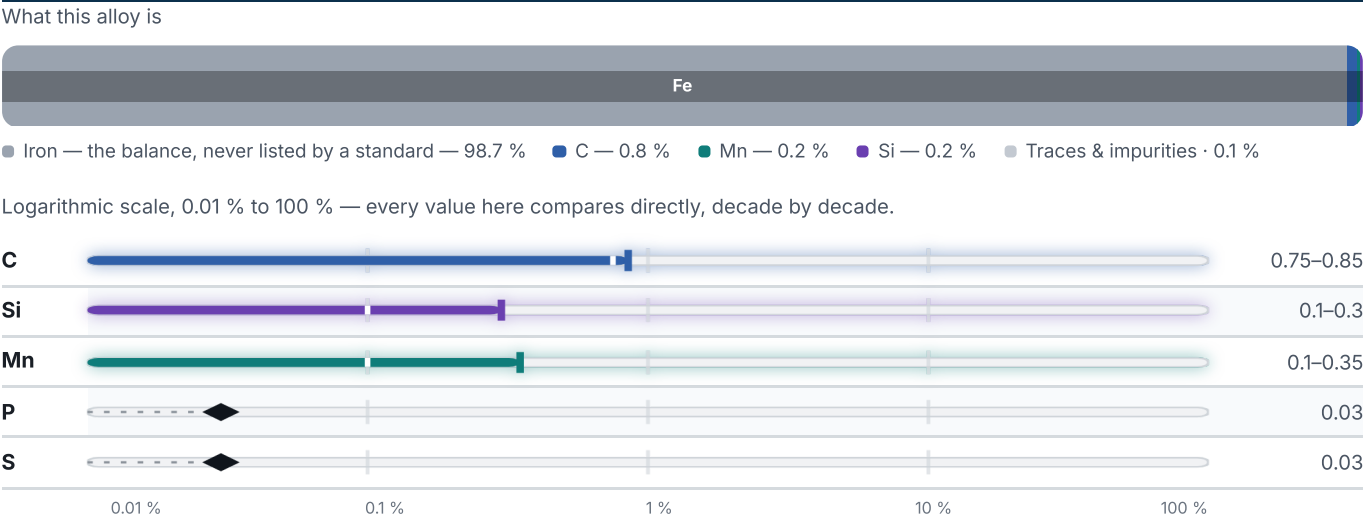
also listed as C80W2

Chemical composition, mechanical and physical property values, and 27 standard designations from 15 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 27 in 15 regions	PROPERTY VALUES 6 on file
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Chemical composition

Mass fraction in %



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: Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

27 designations · 2 documented as identical

United States	4	Europe	1
T72301	uns	C80W2 This grade's own name	din-en
C 0.85	aisi-sae		
W 1	aisi-sae	Spain	1
W1-7	aisi-sae	F-513	une
France	4	International	1
C90E2U	afnor	C80U	iso
Y1-70	afnor		
Y1-80	afnor	China	1
Y90	afnor	T8	gb
Japan	3	Italy	1
SK5	jis	C80KU	uni
SK6	jis		
SKC3	jis	Czechia	1
Russia / CIS	3	19 152	csn
U8	gost	Romania	1
U8A	gost	OSC8	stas
Y8	gost		
United Kingdom	2	Austria	1
BW1A	bs	K980	onorm
BW1B	bs		
Poland	2	South Korea	1
N8	pn	SKC3 This grade's own name	ks
N8E	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 C 0.85

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

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026