

MATERIAL NUMBER 1.1830 · CLASS 1.1

1.1830

Chemical composition, mechanical and physical property values, and 16 standard designations from 11 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 16 in 11 regions	PROPERTY VALUES 6 on file
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Chemical composition

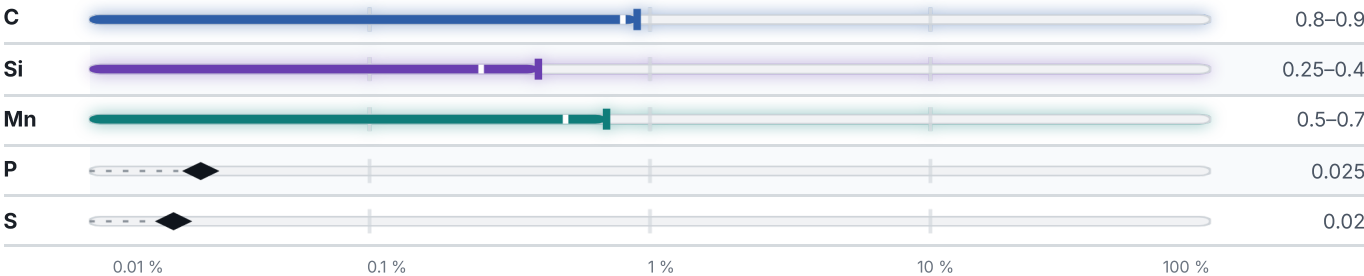
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 98.2 % ● C — 0.9 % ● Mn — 0.6 % ● Si — 0.3 % ● Traces & impurities · 0 %

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: Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

16 designations · 2 documented as identical

Europe	2	France	1
C85U	This grade's own name din-en	C90E2U	afnor
C85W	This grade's own name din-en		
United Kingdom	2	International	1
		C90U	iso
BW1	bs	Japan	1
BW1A	bs		
Russia / CIS	2	SK5	jis
U9A	gost	Italy	1
Y9A	gost	C90KU	uni
Poland	2	Romania	1
N9	pn	OSC 8M	stas
N9E	pn		
Hungary	2	Bulgaria	1
S91	msz	U9A	bds
S92	msz		

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 1.1830

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

[Start an enquiry](#)

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.1830	Aug 20, 2026