

MATERIAL NUMBER 1.1274 · CLASS 1.1

C100S

Material no. 1.1274

Chemical composition, mechanical and physical property values, and 26 standard designations from 13 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 26 in 13 regions	PROPERTY VALUES 9 on file
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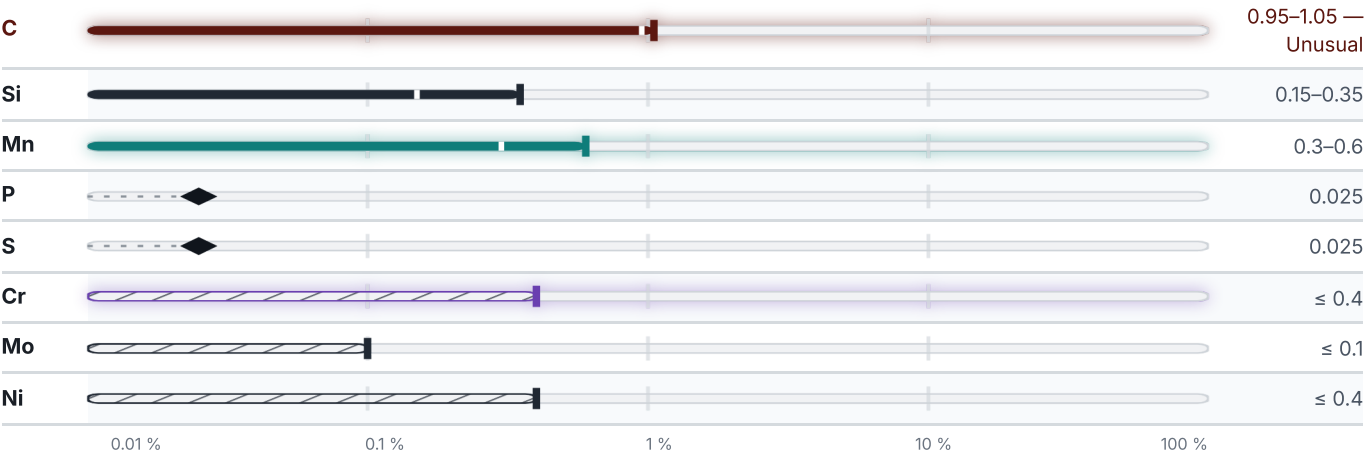
Chemical composition

Mass fraction in %

What this alloy is



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.

Mechanical properties

7 values across 6 conditions

SOFT ANNEALED	RM N/mm ²	A80 %
0.3 – 3	690	13
COLD ROLLED	RM N/mm ²	
0.3 – 3		1200
QUENCHED AND TEMPERED	RM N/mm ²	
0.3 – 3		1200–2100
SOFT ANNEALED	HV	
Soft annealed		220
COLD ROLLED	HV	
Cold rolled		325
QUENCHED AND TEMPERED	HV	
Quenched and tempered		370–630

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

26 designations · 4 documented as identical

Japan	4	France	3
SK 4	jis	C100RR	afnor
SK4-CSP	jis	E100	afnor
SK95-CSP	jis	XC100	afnor
SUP 4	jis		
Europe	3	Spain	3
1.1274	din-en	A-5117	une
C100S This grade's own name	din-en	C 102	une
Ck 101 This grade's own name	din-en	F.5117	une
United Kingdom	3	United States	2
060A96	bs	G10950 This grade's own name	uns
CS95	bs	1095 This grade's own name	aisi-sae
HS95	bs		

Italy	2	Brazil	1
C100	uni	1095	abnt
E4	uni		
International	1	Latin America	1
CS95	iso	1095	copant
Sweden	1	Australia / New Zealand	1
1870	ss	K1095	as-nzs
		Romania	1
		OSC 10	stas

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 C100S

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

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ISSUED

Sep 8, 2026