SteelEquivalents.com

Material datasheet
As of Sep 8, 2026

MATERIAL NUMBER 1.1274 · CLASS 1.1

F.5117

Material no. 1.1274

also listed as C100S

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

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	26 in 13 regions	9 on file

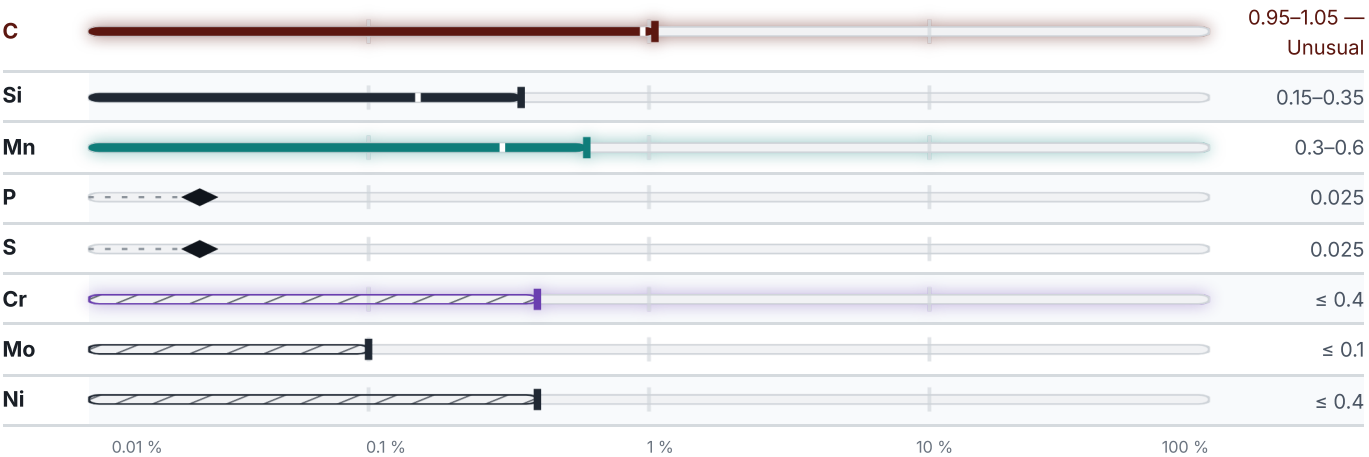
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 97.4 % · C — 1 % · Mn — 0.4 % · Cr — 0.4 % · Traces & impurities · 0.8 %

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/mm²	A80 %
0.3 – 3	690	13

COLD ROLLED	RM N/mm²
0.3 – 3	1200

QUENCHED AND TEMPERED	RM N/mm²
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/cm³

Designations across standards

26 designations · 4 documented as identical

Japan 4

SK 4	jis
SK4-CSP	jis
SK95-CSP	jis
SUP 4	jis

Europe 3

1.1274	din-en
C100S This grade's own name	din-en
Ck 101 This grade's own name	din-en

United Kingdom 3

060A96	bs
CS95	bs
HS95	bs

France 3

C100RR	afnor
E100	afnor
XC100	afnor

Spain 3

A-5117	une
C 102	une
F.5117	une

United States 2

G10950 This grade's own name	uns
1095 This grade's own name	aisi-sae

Italy	2
C100	uni
E4	uni

International	1
CS95	iso

Sweden	1
1870	ss

Brazil	1
1095	abnt

Latin America	1
1095	copant

Australia / New Zealand	1
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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.1274	Sep 8, 2026