

MATERIAL NUMBER 1.0605 · CLASS 1.0

C75

Material no. 1.0605

Chemical composition, mechanical and physical property values, and 14 standard designations from 11 regions.

DENSITY

7.85 g/cm³

OTHER DESIGNATIONS

14 in 11 regions

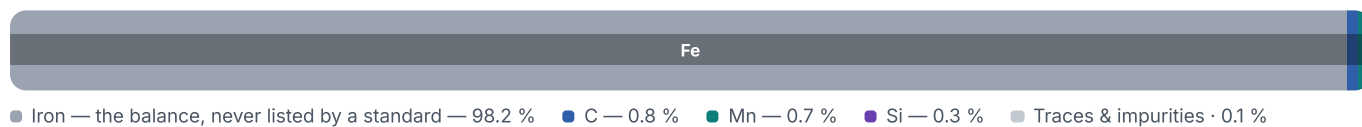
PROPERTY VALUES

6 on file

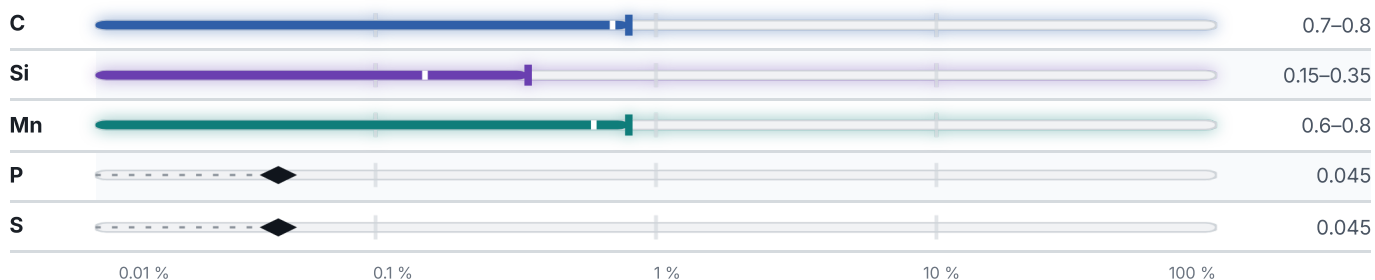
Chemical composition

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

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

14 designations · 5 documented as identical

United States		4	Russia / CIS		1
G10740	This grade's own name	uns	75		gost
G10750	This grade's own name	uns			
1074	This grade's own name	aisi-sae	Czechia		1
1075	This grade's own name	aisi-sae	12081		csn
Europe		1	Slovakia		1
C75	This grade's own name	din-en	12081		stn
United Kingdom		1	Poland		1
CS80		bs	75		pn
France		1	Serbia		1
XC 75		afnor	Č.1832		srps
Japan		1	Romania		1
S 75 CM		jis	OLC 75A		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 C75

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	1.0605	Aug 20, 2026