

MATERIAL NUMBER 1.0605 · CLASS 1.0

1.0605

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

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 14 in 11 regions	PROPERTY VALUES 6 on file
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Chemical composition

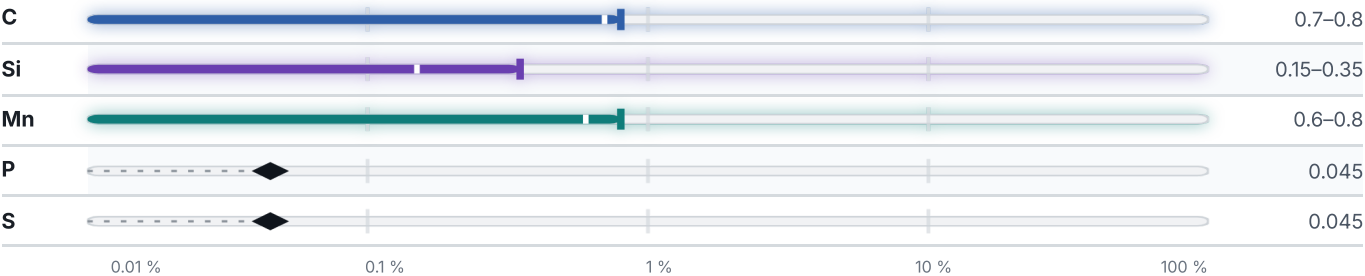
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 98.2 % ● C — 0.8 % ● Mn — 0.7 % ● Si — 0.3 % ● Traces & impurities · 0.1 %

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 1.0605

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

[Start an enquiry](#)

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ISSUED
Aug 20, 2026