

MATERIAL NUMBER 1.0603 · CLASS 1.0

1.0603

Chemical composition, mechanical and physical property values, and 15 standard designations from 9 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 15 in 9 regions	PROPERTY VALUES 6 on file
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Chemical composition

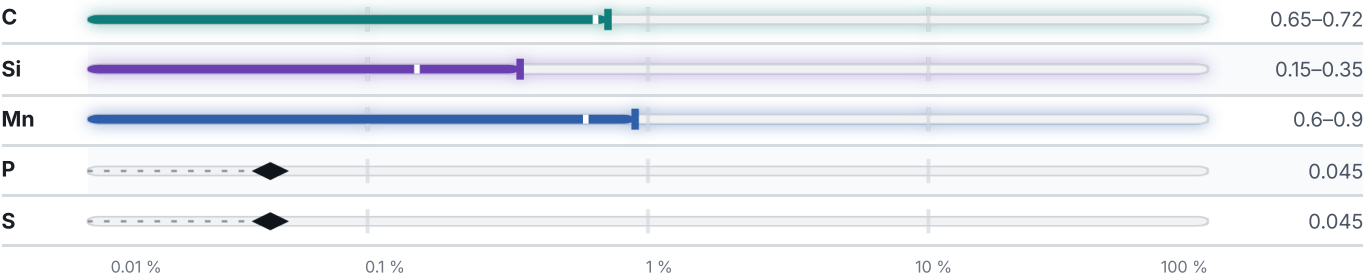
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 98.2 % ● Mn — 0.8 % ● C — 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

15 designations · 4 documented as identical

United States		5	Europe		1
G10700	This grade's own name	uns	C67	This grade's own name	din-en
1065		aisi-sae			
1070	This grade's own name	aisi-sae	France		
J403		aisi-sae	XC68		
5115H	This grade's own name	astm	International		
Czechia		2	CS65		
12 061		csn	Japan		
12071		csn	S65CM		
Poland		2	Russia / CIS		
65		pn	65		
gat. 65		pn	Slovakia		
			12061		

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 1.0603

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	1.0603	Aug 20, 2026