

MATERIAL NUMBER 1.1173 · CLASS 1.1

1.1173

Chemical composition, mechanical and physical property values, and 10 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 10 in 7 regions	PROPERTY VALUES 7 on file
--	--	-------------------------------------

Chemical composition

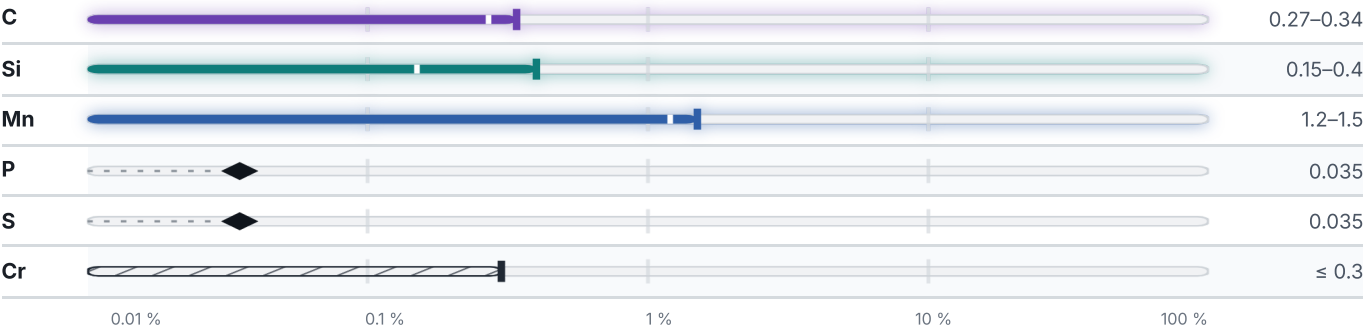
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 97.7 % ● Mn — 1.4 % ● C — 0.3 % ● Cr — 0.3 % ● Traces & impurities · 0.3 %

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, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

10 designations · 5 documented as identical

United States		4	France		1
G13300	This grade's own name	uns	32M5		afnor
H13300	This grade's own name	uns			
1330	This grade's own name	aisi-sae	Japan		1
1330H	This grade's own name	aisi-sae	SMn433H		jis
Europe		1	China		1
30Mn5	This grade's own name	din-en	30Mn2		gb
United Kingdom		1	Russia / CIS		1
150M28		bs	30Г2		gost

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 1.1173

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	1.1173	Aug 20, 2026