

MATERIAL NUMBER 1.1240 · CLASS 1.1

1.1240

Chemical composition, mechanical and physical property values, and 17 standard designations from 10 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 17 in 10 regions	PROPERTY VALUES 6 on file
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Chemical composition

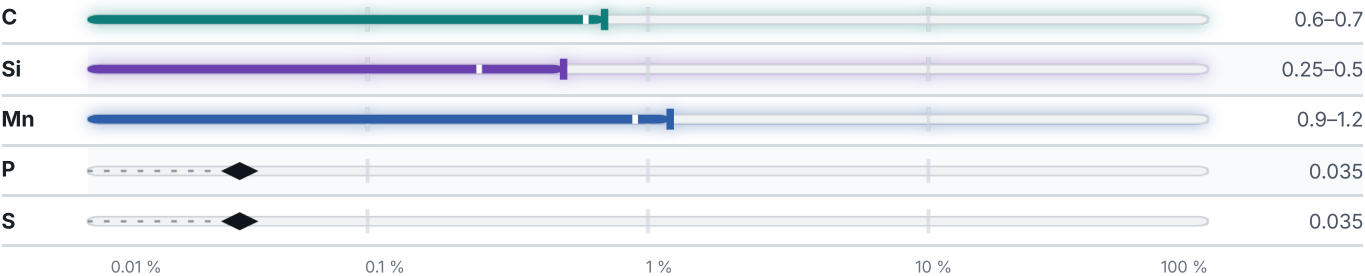
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 97.9 % ● Mn — 1.1 % ● C — 0.6 % ● Si — 0.4 % ● 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

Heat treatment

4 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—
source joins the operations with + / procedural order		
Annealing	Temperature not stated	—
Annealing	Temperature not stated	—
Tempering	Temperature not stated	—
Normalizing	Temperature not stated	—
Tempering	Temperature not stated	—
Normalizing	Temperature not stated	—
Annealing	Temperature not stated	—

Designations across standards

17 designations · 3 documented as identical

United States	7	International	1
G10700 This grade's own name	uns	56Mn4	iso
G15660	uns		
1062	aisi-sae	Japan	1
1066	aisi-sae	SWRH67B	jis
1070 This grade's own name	aisi-sae		
1566	aisi-sae	China	1
C1062	aisi-sae	65Mn	gb
Russia / CIS	2	Czechia	1
65G	gost	13 180	csn
65GA	gost		
Europe	1	Poland	1
65Mn4 This grade's own name	din-en	65G	pn
		Romania	1
United Kingdom	1	65MN10	stas
080A67	bs		

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 1.1240

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

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ISSUED

Aug 20, 2026