

SteelGOST5257-98

Chemical composition, mechanical and physical property values, and 2 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
2 in 1 regions	5 on file

Chemical composition

Mass fraction in %

What this alloy is



Iron — the balance, never listed by a standard — 98.3 % Mn — 0.7 % C — 0.6 % 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.

Mechanical properties

4 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	A5 %	Z %	HB
Steel heat-treatment, GOST 5257-98	900	10	14	—
GOST 5257-98	—	—	—	250

Physical properties

0 values

CONDITION · DIMENSION	RHO g/cm ³
20	7.85

Designations across standards

2 designations · 1 documented as identical

Russia / CIS	2
SteelGOST5257-98 This grade's own name	gost
СтальГОСТ5257-98	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 SteelGOST5257-98

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

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MATERIAL NO.

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ISSUED

Aug 15, 2026