

09GBYu

Chemical composition, mechanical and physical property values, and 7 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
7 in 1 regions	6 on file

Chemical composition

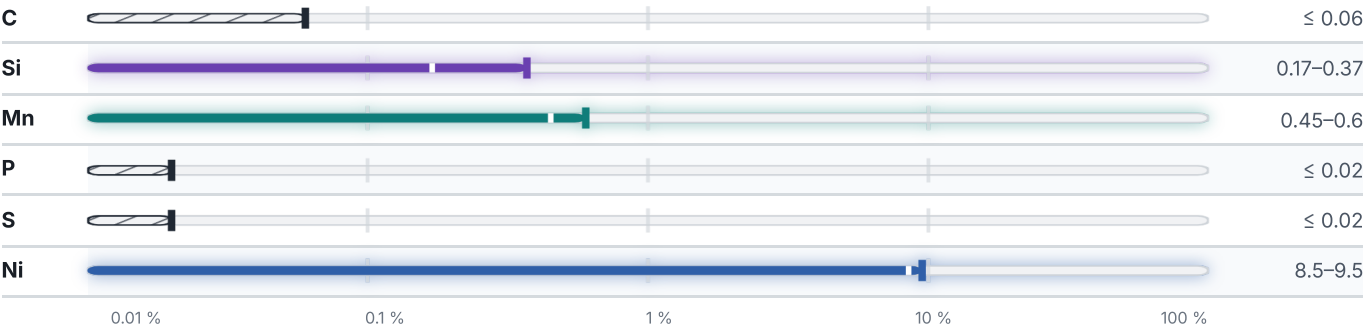
Mass fraction in %

What this alloy is



Iron — the balance, never listed by a standard — 90.1 % Ni — 9 % Mn — 0.5 % 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: Cr, Mo.

Mechanical properties

10 values across 2 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
Double normalizing and drawing	720	520	28	82	2530

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
Quenching and drawing	600	450	27	79	1960

Designations across standards

7 designations · 1 documented as identical

Russia / CIS	7
09GBYu	gost
09GSF	gost
09GSFYu	gost
09SFA	gost
09CΦ	gost
0N9 This grade's own name	gost
0H9	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 09GBYu

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	—	Aug 15, 2026