

3M694

also listed as 09KH14N16B

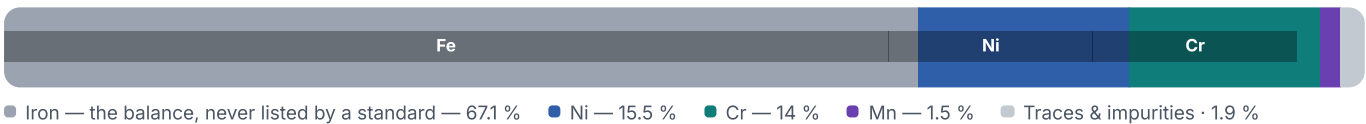
Chemical composition, mechanical and physical property values, and 3 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
3 in 1 regions	10 on file

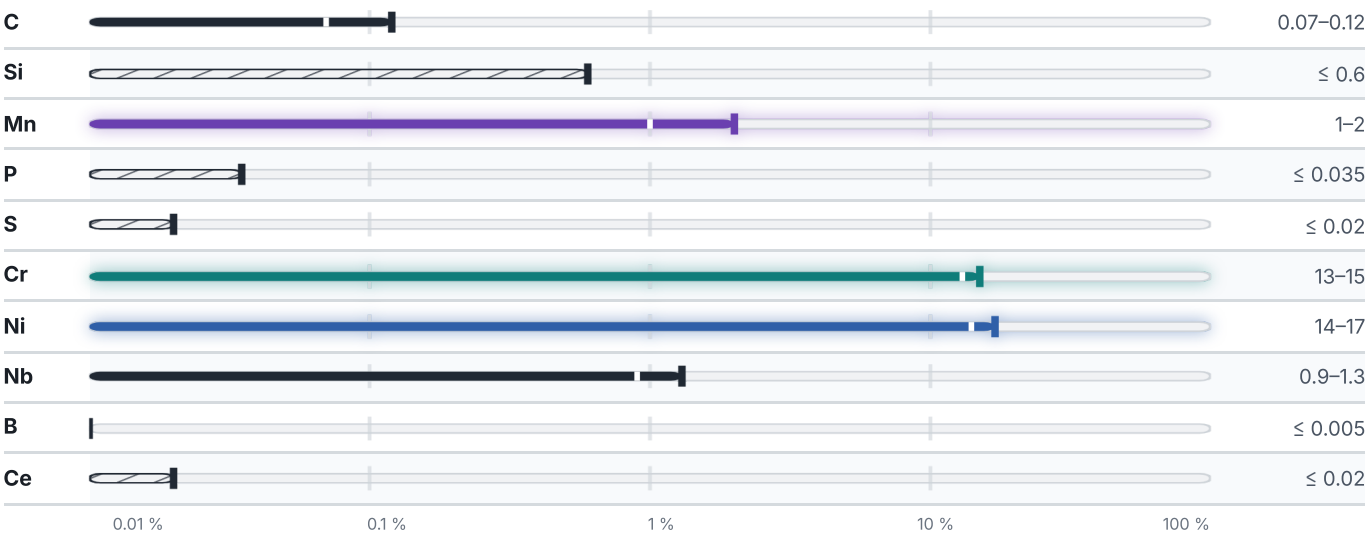
Chemical composition

Mass fraction in %

What this alloy is



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: Mo.

Mechanical properties

4 values across 1 conditions

QUENCHING 1110 - 1130°C, COOLING AIR	RM N/mm ²	RE N/mm ²	A5 %	Z %
Ø 60	490	196	35	50

Physical properties

0 values

CONDITION · DIMENSION	RHO g/cm ³	ALPHA 10 ⁻⁶ /K	LAMBDA W/(m·K)	RHO_EL nΩ·m
20	7.94	–	15.9	774
100	–	15.2	–	–
200	–	16.5	–	–
300	–	17.1	–	–
400	–	17.55	–	–
500	–	17.96	–	–
600	–	18.41	–	–
700	–	18.91	–	–
800	–	20.6	–	–

Designations across standards

3 designations · 1 documented as identical

Russia / CIS	3
09KH14N16B This grade's own name	gost
09X14H16Б	gost
ЭИ694	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 ЭИ694

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