

6KH4M2FS

Chemical composition, mechanical and physical property values, and 5 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
5 in 1 regions	9 on file

Chemical composition

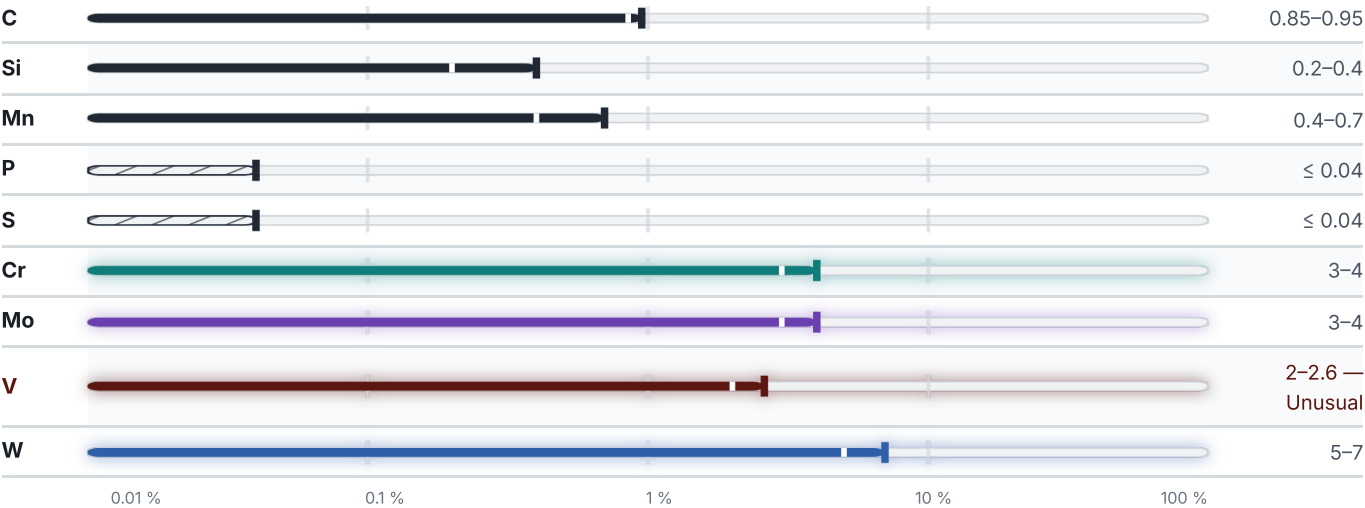
Mass fraction in %

What this alloy is



Iron — the balance, never listed by a standard — 82.9 % W — 6 % Cr — 3.5 % Mo — 3.5 % Traces & impurities · 4.1 %

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.

Mechanical properties

2 values across 2 conditions

CONDITION · DIMENSION	RE N/mm ²
Quenching and drawing	1800–2000
CONDITION · DIMENSION	HB
6KH4M2FS (6X4M2ΦC) (annealing) , GOST 5950-2000	255

Designations across standards

5 designations · 1 documented as identical

Russia / CIS	5
6KH4M2FS	gost
90KH4M4F2V6L This grade's own name	gost
90X4M4Φ2B6Л	gost
ДИ55	gost
P6M4Φ2Л	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 6KH4M2FS

[Start an enquiry](#)

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

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

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ISSUED

Aug 15, 2026