

4X15H7Г7Φ2MC

also listed as 40KH15N7G7F2MS

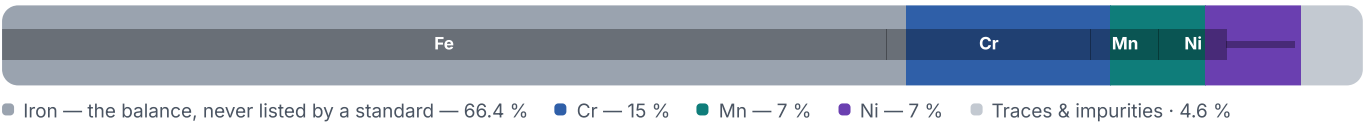
Chemical composition, mechanical and physical property values, and 4 standard designations from 1 regions.

OTHER DESIGNATIONS	PROPERTY VALUES
4 in 1 regions	11 on file

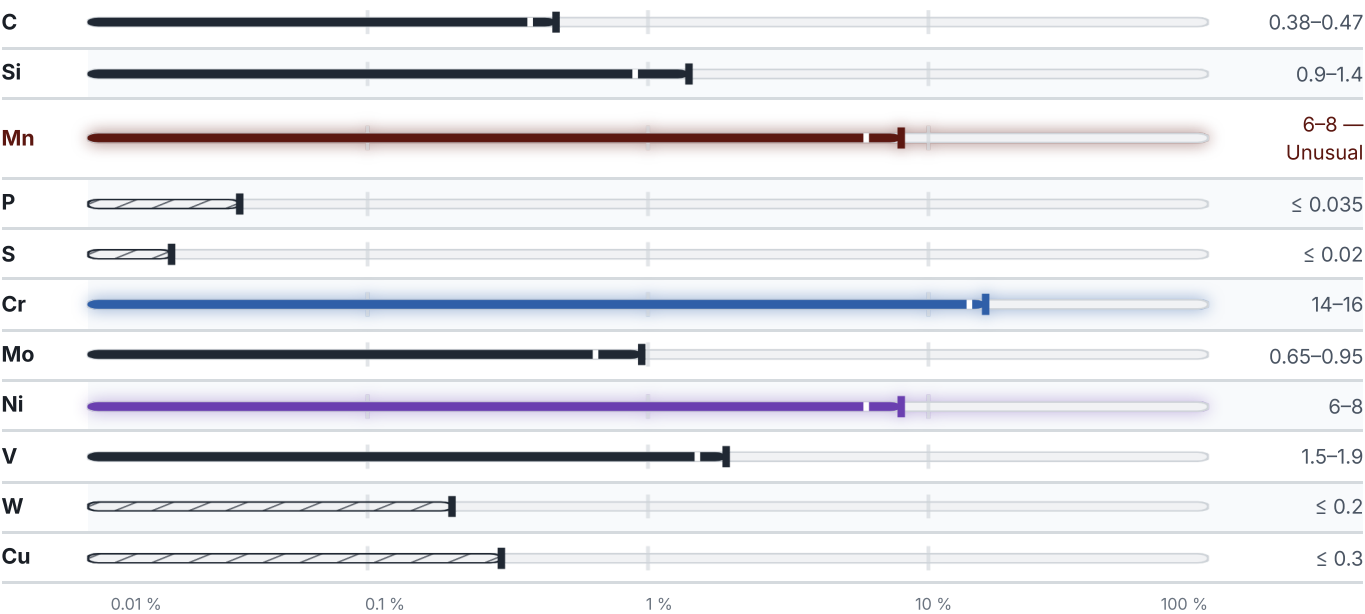
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no

transformation temperature is predicted here.

Mechanical properties

5 values across 1 conditions

QUENCHING 1170 - 1190°C, WATER, AGEING 780 - 820°C, 8 - 10H, AIR	RM N/mm ²	RE N/mm ²	A5 %	Z %	KCU kJ/m ²
Ø 60	880	590	15	15	290

Physical properties

0 values

CONDITION · DIMENSION	RHO g/cm ³	E GPa	ALPHA 10 ⁻⁶ /K	LAMBDA W/(m·K)
20	7.8	185	—	—
100	7.77	—	17	14
200	7.72	187	17.7	16
300	7.68	157	18.4	18
400	7.63	147	19.1	20
500	7.58	147	20.5	22
600	7.53	147	20.8	24
700	—	118	—	26
800	—	118	—	—

Designations across standards

4 designations · 1 documented as identical

Russia / CIS	4
40KH15N7G7F2MS	This grade's own name
40X15H7Г7Φ2MC	gost
4X15H7Г7Φ2MC	gost
ЭИ388	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 4X15H7Г7Φ2MC

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

Start an enquiry

DATASHEET ONLINE
View the material page

GRADE SEARCH
Search all grades

MATERIAL NO.
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ISSUED
Aug 15, 2026