

MATERIAL NUMBER 1.2709 · CLASS 1.2

1.2709

Chemical composition, mechanical and physical property values, and 3 standard designations from 2 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 3 in 2 regions	PROPERTY VALUES 11 on file
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Chemical composition

Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 66.4 % ● Ni — 18 % ● Co — 9.3 % ● Mo — 4.9 % ● Traces & impurities · 1.5 %

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

3 designations · 1 documented as identical

Czechia	2	Europe	1
19902	csn	X3NiCoMoTi18-9-5	This grade's own name
19902 PH	csn		din-en

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 1.2709

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

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ISSUED

Aug 20, 2026