

MATERIAL NUMBER 1.2791 · CLASS 1.2

1.2791

Chemical composition, mechanical and physical property values, and 0 standard designations from 0 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 0 in 0 regions	PROPERTY VALUES 10 on file
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Chemical composition

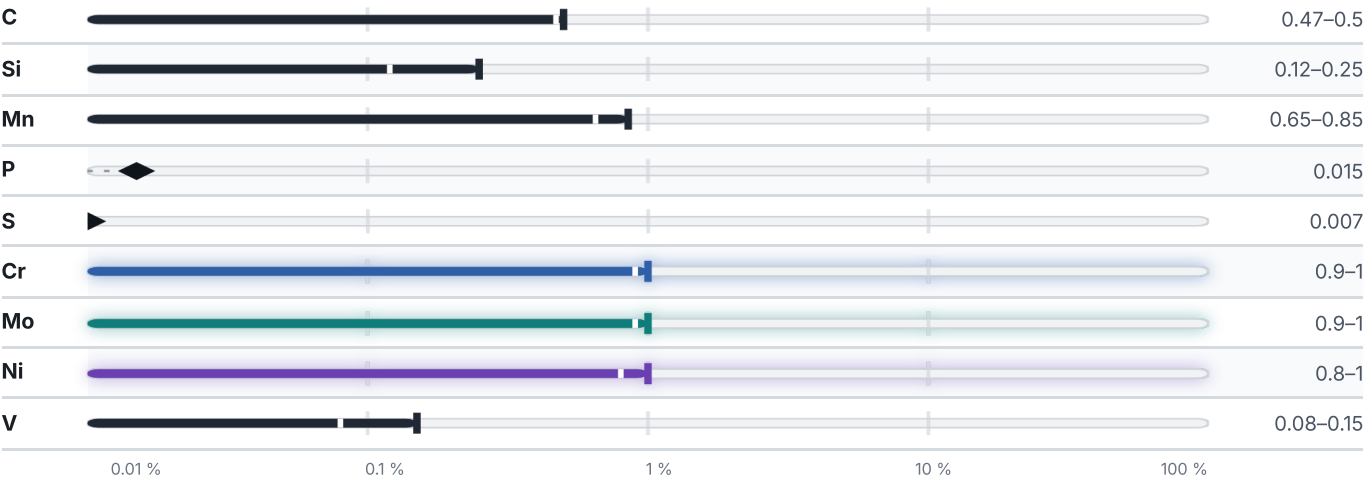
Mass fraction in %

What this alloy is



Iron — the balance, never listed by a standard — 95.6 % Cr — 1 % Mo — 1 % Ni — 0.9 % Traces & impurities · 1.6 %

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

computed from composition · °C

PREDICTED AE3 745 °C	PREDICTED AE1 725 °C	PREDICTED ACM 661 °C	PREDICTED BS 488 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

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 1.2791
Quotation, availability, mill certificate or a technical question — directly on the material page.

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ISSUED
Aug 20, 2026