

MATERIAL NUMBER 1.7338 · CLASS 1.7

1.7338

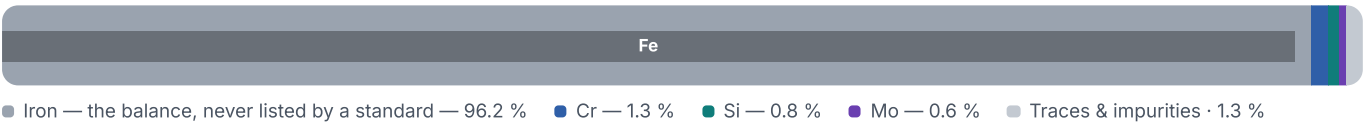
Chemical composition, mechanical and physical property values, and 3 standard designations from 2 regions.

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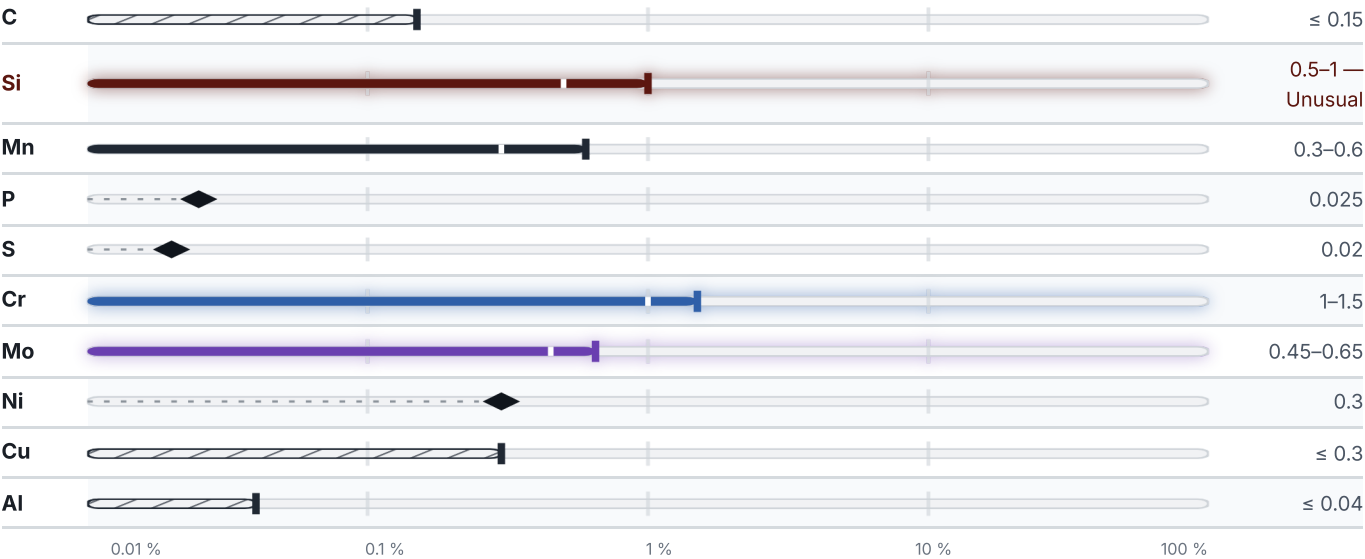
Chemical composition

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

computed from composition · °C

PREDICTED AE3 856 °C	PREDICTED AE1 767 °C	PREDICTED ACM 441 °C	PREDICTED BS 525 °C
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Mechanical properties

1 values across 1 conditions

NORMALIZED AND TEMPERED		RM
		N/mm ²
≤ 60		410–560

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

3 designations · 2 documented as identical

United States		2	Europe		1
K11572		uns	10CrMo5-5	This grade's own name	din-en
K11597	This grade's own name	uns			

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 1.7338

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

Start an enquiry

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.7338	Aug 20, 2026