

MATERIAL NUMBER 1.7336 · CLASS 1.7

1.7336

Chemical composition, mechanical and physical property values, and 12 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 12 in 6 regions	PROPERTY VALUES 11 on file
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Chemical composition

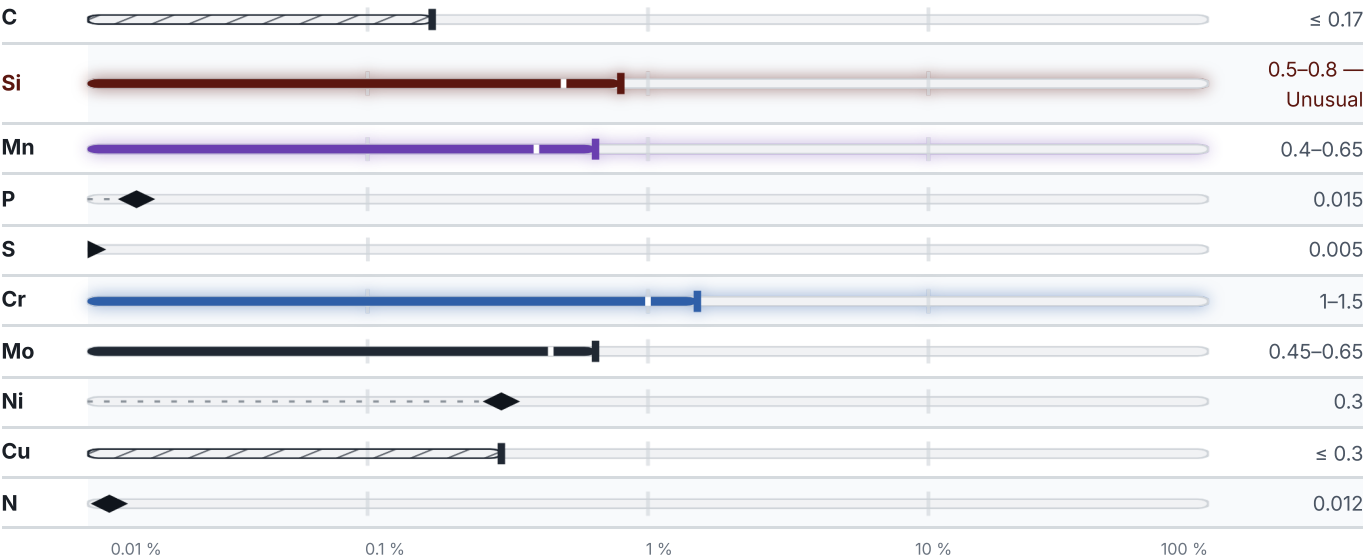
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 96.2 % ● Cr — 1.3 % ● Si — 0.7 % ● Mo — 0.6 % ● Traces & impurities · 1.3 %

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 843 °C	PREDICTED AE1 762 °C	PREDICTED ACM 456 °C	PREDICTED BS 522 °C
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Mechanical properties

10 values across 2 conditions

QUENCHED AND TEMPERED	REH N/mm ²	RM N/mm ²
≤ 60	400	510–690
60 – 100	390	500–680
100 – 250	380	490–670
NORMALIZED AND TEMPERED	REH N/mm ²	RM N/mm ²
≤ 60	310	510–690
60 – 100	300	480–660

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

12 designations · 2 documented as identical

United States	5	Russia / CIS	2
K11562	uns	15ChM	gost
K11572	uns	15KhM	gost
K11789 This grade's own name	uns		
K12062	uns	Europe	1
SA182 F12 class 1	astm	13CrMoSi5-5 This grade's own name	din-en
France	2	International	1
15CD4	afnor	14CrMo4-5	iso
15CD4.05	afnor		
		Poland	1
		15HM	pn

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 1.7336

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

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ISSUED

Aug 20, 2026