

MATERIAL NUMBER 1.7375 · CLASS 1.7

1.7375

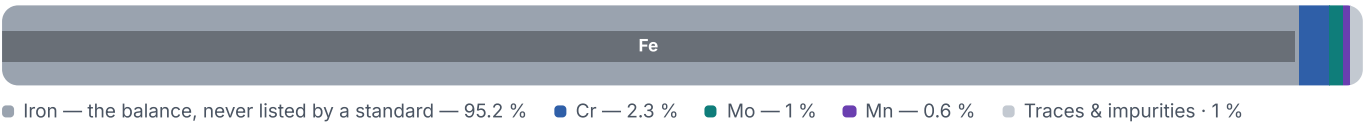
Chemical composition, mechanical and physical property values, and 18 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 18 in 6 regions	PROPERTY VALUES 12 on file
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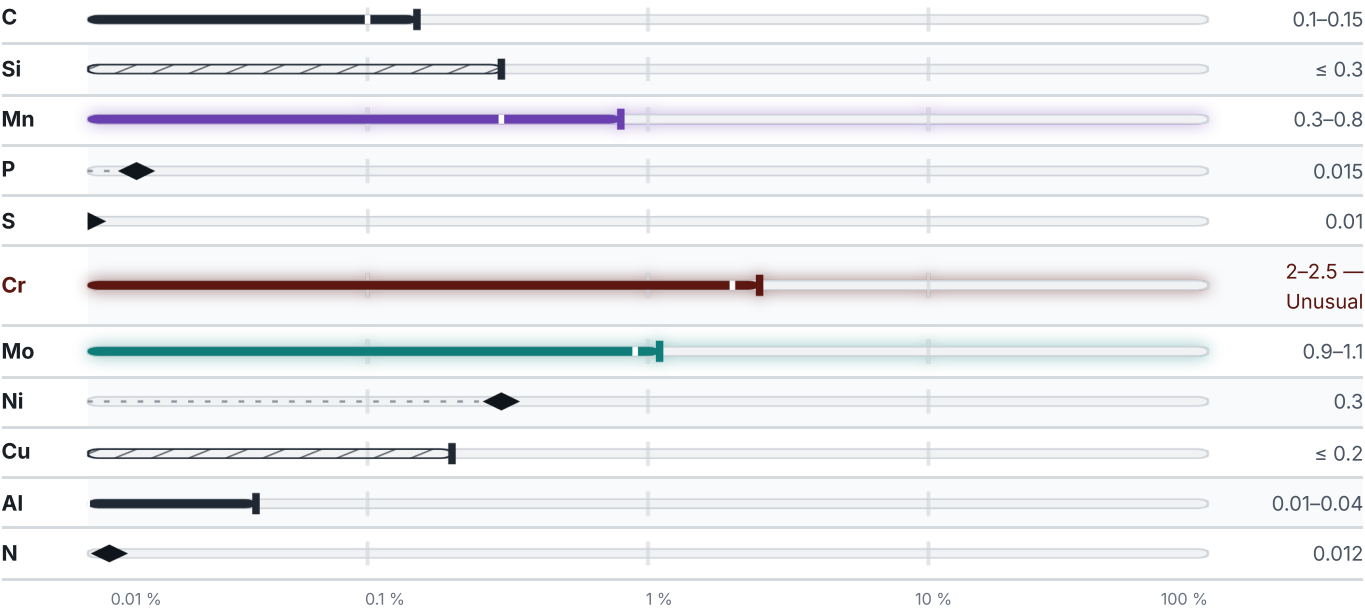
Chemical composition

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 820 °C	PREDICTED AE1 772 °C	PREDICTED ACM 448 °C	PREDICTED BS 466 °C
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Mechanical properties

3 values across 1 conditions

NORMALIZED AND TEMPERED	REH N/mm ²	RM N/mm ²	A %
≤ 250	355	540–690	18

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

18 designations · 3 documented as identical

United States		9	France		2
2.25Cr1Mo	uns		10CD9-10		afnor
A182 F22	uns		12CD9-10		afnor
A182 T22	uns		Europe		1
K21390	This grade's own name	uns	12CrMo9-10		din-en
K21590	This grade's own name	uns	Czechia		1
2.25Cr1Mo	astm		15 313		csn
A182 F22	astm		Poland		1
A182 T22	astm		10H2M		pn
K21590	astm				
Russia / CIS		4			
10Ch2M	gost				
10X2M	gost				
1Ch2M	gost				
1Kh2M	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 1.7375

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

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

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ISSUED

Aug 20, 2026