

MATERIAL NUMBER 1.6944 · CLASS 1.6

1.6944

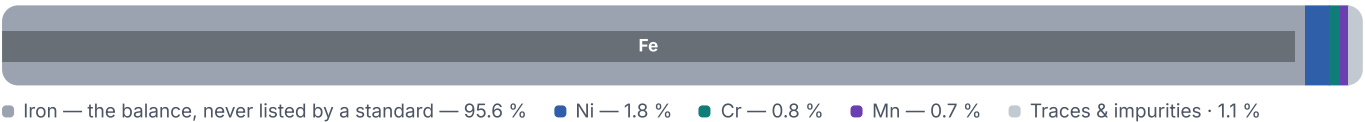
Chemical composition, mechanical and physical property values, and 6 standard designations from 2 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 6 in 2 regions	PROPERTY VALUES 10 on file
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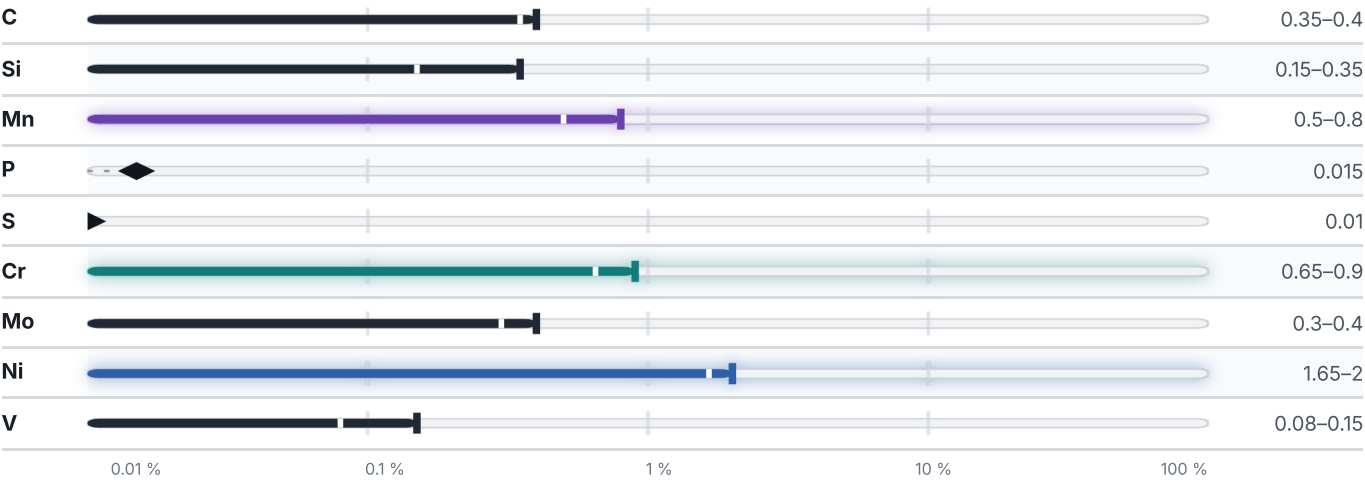
Chemical composition

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 750 °C	PREDICTED AE1 712 °C	PREDICTED ACM 592 °C	PREDICTED BS 509 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

6 designations · 4 documented as identical

United States		5	Poland		1
G43370	This grade's own name	uns	34HNM		pn
G43376	This grade's own name	uns			
K33517		uns			
4337	This grade's own name	aisi-sae			
E4337	This grade's own name	aisi-sae			

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 1.6944

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