

MATERIAL NUMBER 1.8937 · CLASS 1.8

P500NH

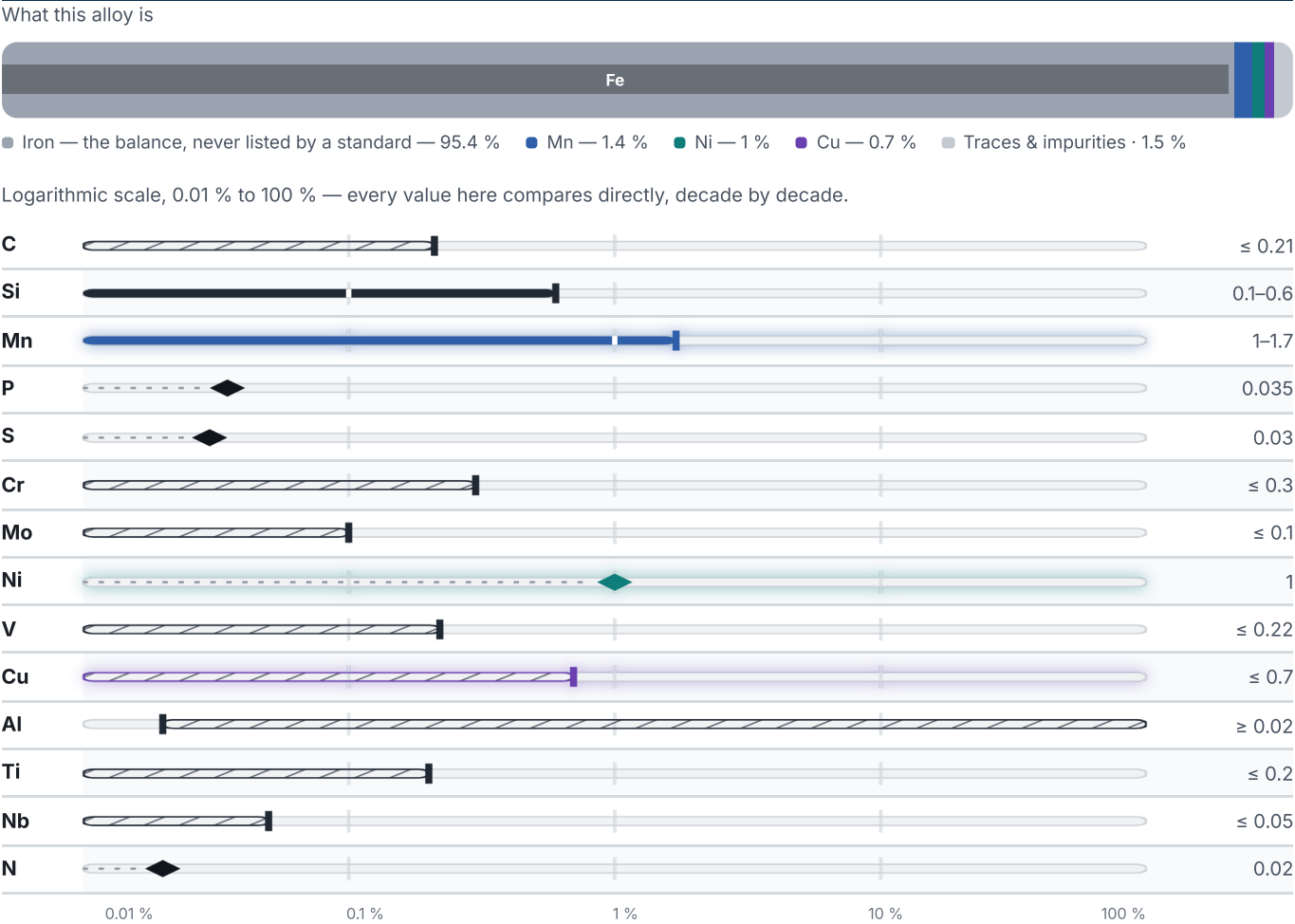
Material no. 1.8937

Chemical composition, mechanical and physical property values, and 20 standard designations from 2 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 20 in 2 regions	PROPERTY VALUES 15 on file
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Chemical composition

Mass fraction in %



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 802 °C	PREDICTED AE1 705 °C	PREDICTED ACM 445 °C	PREDICTED BS 536 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

20 designations · 8 documented as identical

United States18		Europe2	
K02001	uns	P500NH	This grade's own name din-en
K02204	uns	WStE 500	This grade's own name din-en
K11511	uns		
K11523	This grade's own name uns		
K11576	uns		
K11625	uns		
K11630	uns		
K11646	uns		
K11662	This grade's own name uns		
K11682	This grade's own name uns		
K11683	uns		
K11804	This grade's own name uns		
K11847	This grade's own name uns		
K11856	uns		
K11872	This grade's own name uns		
K12524	uns		
K21604	uns		
K21650	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 P500NH

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	1.8937	Aug 20, 2026