

MATERIAL NUMBER 1.8877 · CLASS 1.8

P620QH

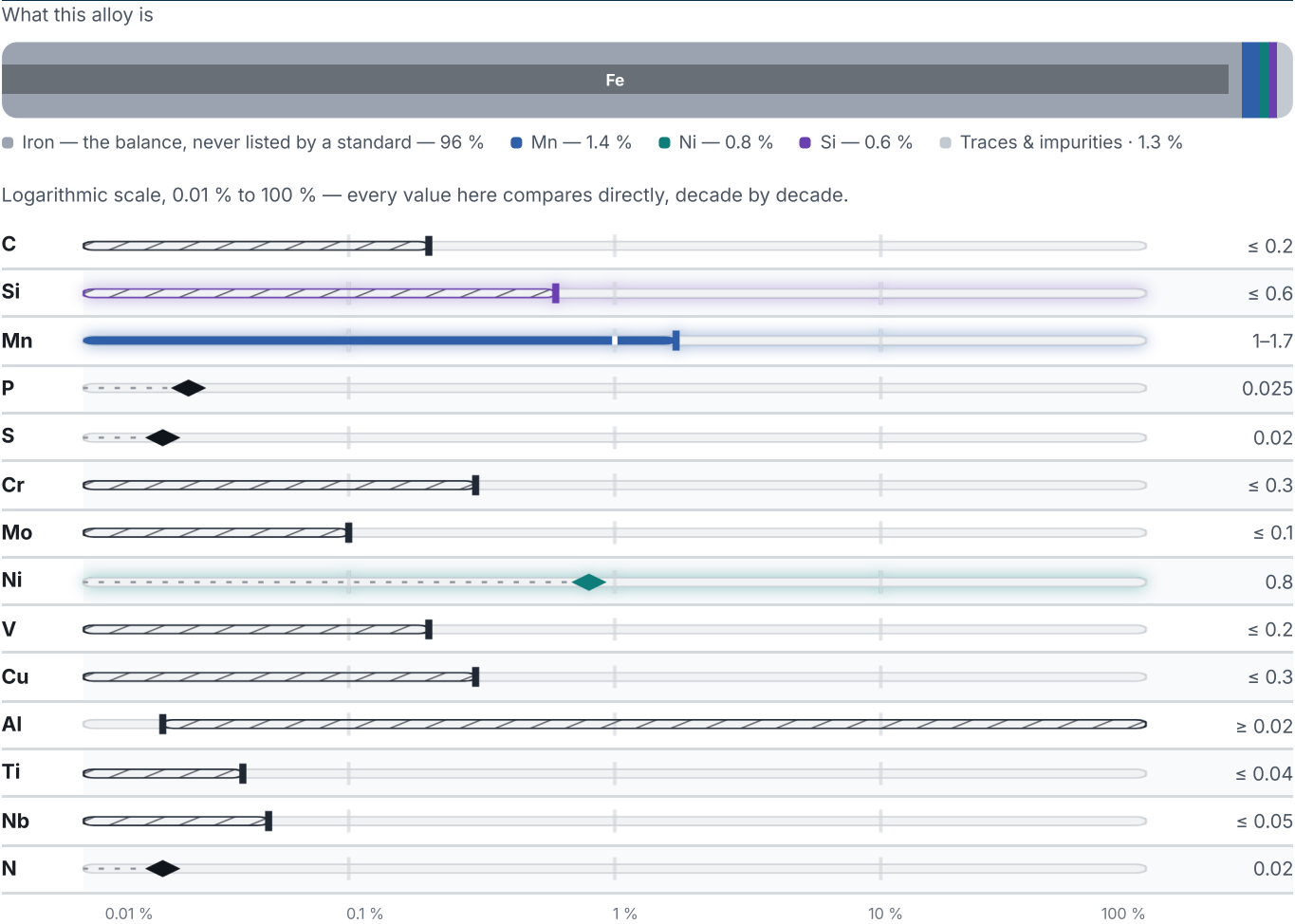
Material no. 1.8877

Chemical composition, mechanical and physical property values, and 1 standard designations from 1 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 1 in 1 regions	PROPERTY VALUES 15 on file
------------------------------	---	--------------------------------------

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 807 °C	PREDICTED AE1 708 °C	PREDICTED ACM 438 °C	PREDICTED BS 540 °C
-------------------------	-------------------------	-------------------------	------------------------

Mechanical properties

3 values across 1 conditions

QUENCHED AND TEMPERED	RM N/mm ²
≤ 20	740–930
20 – 40	690–860
40 – 65	630–800

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

1 designations · 1 documented as identical

Europe	1
P620QH This grade's own name	din-en

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 P620QH

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

MATERIAL NO.

1.8877

ISSUED

Aug 20, 2026