

MATERIAL NUMBER 1.0423 · CLASS 1.0

FeE27KR

Material no. 1.0423

also listed as P265NB

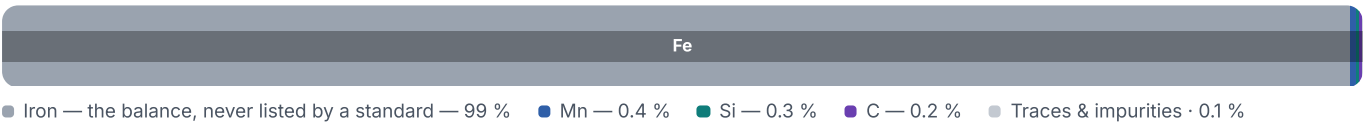
Chemical composition, mechanical and physical property values, and 8 standard designations from 7 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 8 in 7 regions	PROPERTY VALUES 10 on file
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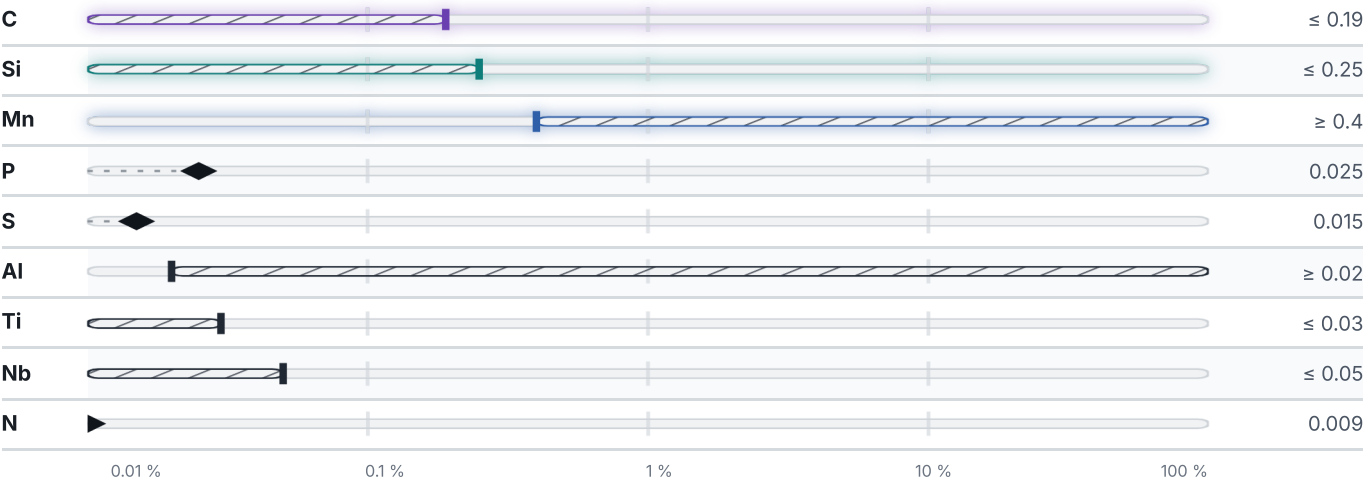
Chemical composition

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Mn, Ni, Cr, Mo.

Mechanical properties

2 values across 1 conditions

NORMALIZED		A
		% · Lo = 5,65 √So
≤ 3		24
3 – 5		32

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

8 designations · 2 documented as identical

Europe	2	France	1
HII	din-en	BS2	afnor
P265NB	This grade's own name din-en	Spain	1
United States	1	AE265KR	une
K02505	This grade's own name uns	Japan	1
United Kingdom	1	SG295	jis
TypeB	bs	Italy	1
		FeE27KR	uni

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 FeE27KR

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	1.0423	Aug 20, 2026