

MATERIAL NUMBER 1.0423 · CLASS 1.0

P265NB

Material no. 1.0423

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

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

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		
United States	1	Spain	1
K02505	This grade's own name uns	AE265KR	une
United Kingdom	1	Japan	1
TypeB	bs	SG295	jis
		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 P265NB

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