

MATERIAL NUMBER 1.0111 · CLASS 1.0

AE235KR

Material no. 1.0111

also listed as P245NB

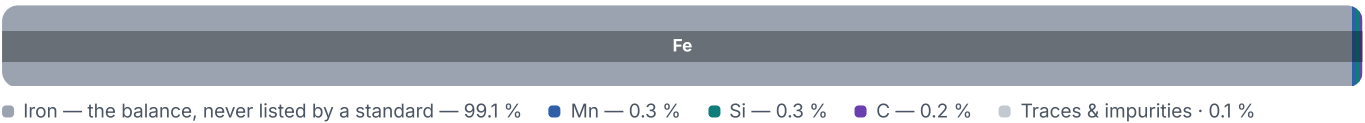
Chemical composition, mechanical and physical property values, and 7 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 7 in 6 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: Ni, Cr, Mo.

Mechanical properties

2 values across 1 conditions

NORMALIZED		A
		% · Lo = 5,65 √So
≤ 3		26
3 – 5		34

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with (or)		
Normalizing	Temperature not stated	—
Normalizing	Temperature not stated	—

Designations across standards

7 designations · 1 documented as identical

Europe	2	Spain	1
HI	din-en	AE235KR	une
P245NB	This grade's own name din-en		
United Kingdom	1	Japan	1
TypeA	bs	SG255	jis
France	1	Italy	1
BS1	afnor	FeE24KR	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 AE235KR

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	1.0111	Aug 20, 2026