

MATERIAL NUMBER 1.0111 · CLASS 1.0

FeE24KR

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



● Iron — the balance, never listed by a standard — 99.1 % ● Mn — 0.3 % ● Si — 0.3 % ● C — 0.2 % ● Traces & impurities · 0.1 %

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	Spain1
HI	din-en	AE235KRune
P245NB	din-en	
This grade's own name		
United Kingdom	1	Japan1
TypeA	bs	SG255jis
France	1	Italy1
BS1	afnor	FeE24KRuni

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 FeE24KR

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