

MATERIAL NUMBER 1.0255 · CLASS 1.0

1.0255

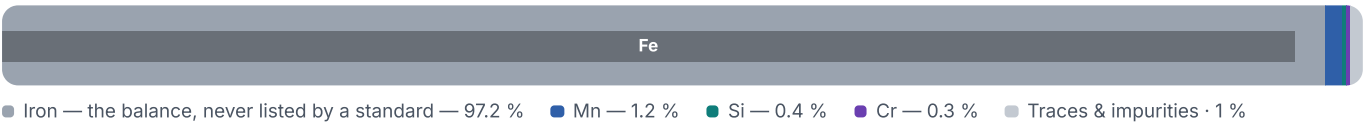
Chemical composition, mechanical and physical property values, and 4 standard designations from 2 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 4 in 2 regions	PROPERTY VALUES 14 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

computed from composition · °C

PREDICTED AE3 819 °C	PREDICTED AE1 717 °C	PREDICTED ACM 399 °C	PREDICTED BS 568 °C
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Mechanical properties

4 values across 1 conditions

CONDITION · DIMENSION	REH N/mm²	RM N/mm²
≤ 16	235	–
16 – 40	225	–
40 – 60	215	–
≤ 60	–	360–500

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

4 designations · 4 documented as identical

Europe	2	United States	2
P235TR2 This grade's own name	din-en	K02501 This grade's own name	uns
St 37.4 This grade's own name	din-en	K03013 This grade's own name	uns

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 1.0255

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

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ISSUED

Aug 20, 2026