

MATERIAL NUMBER 1.5415 · CLASS 1.5

# 2912

## Material no. 1.5415

also listed as 15Mo3

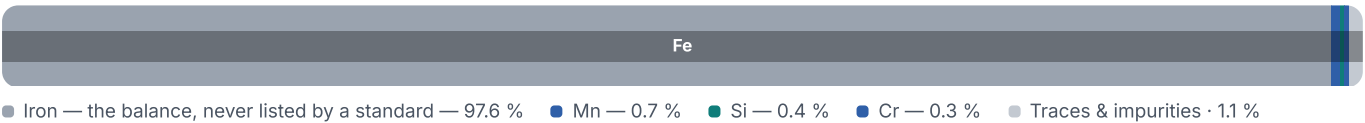
Chemical composition, mechanical and physical property values, and 38 standard designations from 14 regions.

|                                          |                                               |                                      |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| DENSITY<br><b>7.85</b> g/cm <sup>3</sup> | OTHER DESIGNATIONS<br><b>38</b> in 14 regions | PROPERTY VALUES<br><b>11</b> 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

computed from composition · °C

|                         |                         |                         |                        |
|-------------------------|-------------------------|-------------------------|------------------------|
| PREDICTED AE3<br>816 °C | PREDICTED AE1<br>721 °C | PREDICTED ACM<br>432 °C | PREDICTED BS<br>565 °C |
|-------------------------|-------------------------|-------------------------|------------------------|

Mechanical properties

18 values across 2 conditions

| NORMALIZED            | REH<br>N/mm <sup>2</sup> | RM<br>N/mm <sup>2</sup> | A<br>% |
|-----------------------|--------------------------|-------------------------|--------|
| ≤ 16                  | 275                      | –                       | –      |
| 16 – 40               | 270                      | –                       | –      |
| 40 – 60               | 260                      | –                       | 23     |
| ≤ 40                  | –                        | –                       | 24     |
| ≤ 60                  | –                        | 440–590                 | –      |
| 60 – 100              | 240                      | 430–580                 | 22     |
| 100 – 150             | 220                      | 420–570                 | 19     |
| 150 – 250             | 210                      | 410–570                 | –      |
| QUENCHED AND TEMPERED | REH<br>N/mm <sup>2</sup> | RM<br>N/mm <sup>2</sup> |        |
| ≤ 250                 | 265                      | 440–570                 |        |
| 250 – 500             | 250                      | 420–550                 |        |

Physical properties

1 values

| PROPERTY | VALUE | UNIT              |
|----------|-------|-------------------|
| Density  | 7.85  | g/cm <sup>3</sup> |

## Designations across standards

38 designations · 6 documented as identical

| United States   | 12                                           | International | 3     |
|-----------------|----------------------------------------------|---------------|-------|
| K11820          | <a href="#">This grade's own name</a> uns    | F26           | iso   |
| K12020          | <a href="#">This grade's own name</a> uns    | P26           | iso   |
| K12320          | <a href="#">This grade's own name</a> uns    | TS26          | iso   |
| K12822          | <a href="#">This grade's own name</a> uns    |               |       |
| A204 (A)        | aisi-sae                                     | Italy         | 3     |
| A204Gr.A        | aisi-sae                                     | 15Mo3         | uni   |
| A204Gr.B        | aisi-sae                                     | 16Mo3         | uni   |
| ASTM A204Gr.A   | aisi-sae                                     | 16Mo3KW       | uni   |
| A 182 Grade F1  | astm                                         |               |       |
| A 234 Grade WP1 | astm                                         | France        | 2     |
| A 335 Grade P1  | astm                                         | 15D3          | afnor |
| A204            | astm                                         | 15M03         | afnor |
| Europe          | 4                                            | Japan         | 1     |
| 1.5415          | din-en                                       | STBA12        | jis   |
| 15Mo3           | <a href="#">This grade's own name</a> din-en |               |       |
| 16Mo3           | <a href="#">This grade's own name</a> din-en | Sweden        | 1     |
| A204Gr.B        | din-en                                       | 2912          | ss    |
| United Kingdom  | 4                                            | Czechia       | 1     |
| 1501-240        | bs                                           | 15020         | csn   |
| 1503-243B       | bs                                           |               |       |
| 240             | bs                                           | Slovakia      | 1     |
| 243             | bs                                           | 15 020        | stn   |
| Spain           | 3                                            | Poland        | 1     |
| 16Mo3           | une                                          | 16M           | pn    |
| F.2601          | une                                          |               |       |
| F.2601 -16 Mo 3 | une                                          | Serbia        | 1     |
|                 |                                              | Č.7100        | srps  |
|                 |                                              | Austria       | 1     |
|                 |                                              | 15Mo3KW       | onorm |

**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 2912

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

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