

MATERIAL NUMBER EN-JL1040

# Vch25

## Material no. EN-JL1040

also listed as EN-GJL-250

Chemical composition, mechanical and physical property values, and 36 standard designations from 22 regions.

|                                          |                                               |                                     |
|------------------------------------------|-----------------------------------------------|-------------------------------------|
| DENSITY<br><b>7.85</b> g/cm <sup>3</sup> | OTHER DESIGNATIONS<br><b>36</b> in 22 regions | PROPERTY VALUES<br><b>2</b> on file |
|------------------------------------------|-----------------------------------------------|-------------------------------------|

Chemical composition

Mass fraction in %

No chemical composition is on file for this material number.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: C, Mn, Si, Ni, Cr, Mo.

Mechanical properties

2 values across 1 conditions

| CONDITION · DIMENSION | RM<br>N/mm <sup>2</sup> | HB      |
|-----------------------|-------------------------|---------|
| Casting, GOST 1412-85 | 250                     | —       |
| GOST 1412-85          | —                       | 156–260 |

Physical properties

2 values

| CONDITION · DIMENSION | RHO<br>g/cm <sup>3</sup> | E<br>GPa | ALPHA<br>10 <sup>^-6</sup> /K | LAMBDA<br>W/(m·K) | CP<br>J/(kg·K) |
|-----------------------|--------------------------|----------|-------------------------------|-------------------|----------------|
| 20                    | 7.2                      | 100      | —                             | 50                | —              |
| 100                   | —                        | —        | 10                            | —                 | 500            |

| PROPERTY | VALUE | UNIT              |
|----------|-------|-------------------|
| Density  | 7.85  | g/cm <sup>3</sup> |
| nu       | 0.26  |                   |

## Designations across standards

36 designations · 3 documented as identical

|                                               |          |                                |        |
|-----------------------------------------------|----------|--------------------------------|--------|
| <b>United States</b>                          | 5        | <b>Spain</b>                   | 1      |
| F12401 <span>This grade's own name</span>     | uns      | FG25                           | une    |
| A48-40B                                       | aisi-sae |                                |        |
| C1.35B                                        | aisi-sae | <b>International</b>           | 1      |
| No 35 B                                       | aisi-sae | 250                            | iso    |
| No.35                                         | aisi-sae |                                |        |
| <b>United Kingdom</b>                         | 3        | <b>China</b>                   | 1      |
| 250                                           | bs       | HT250                          | gb     |
| 260                                           | bs       | <b>Italy</b>                   | 1      |
| Grade 260                                     | bs       | G25                            | uni    |
| <b>Sweden</b>                                 | 3        | <b>Czechia</b>                 | 1      |
| 0125                                          | ss       | 422425                         | csn    |
| 0125-00                                       | ss       |                                |        |
| 0125                                          | ss       | <b>Latin America</b>           | 1      |
| <b>Europe</b>                                 | 2        | FG250                          | copant |
| EN-GJL-250 <span>This grade's own name</span> | din-en   | <b>Hungary</b>                 | 1      |
| GG-25 <span>This grade's own name</span>      | din-en   | OV25                           | msz    |
| <b>France</b>                                 | 2        | <b>Romania</b>                 | 1      |
| FGL250                                        | afnor    | FC250                          | stas   |
| Ft 25 D                                       | afnor    |                                |        |
| <b>Japan</b>                                  | 2        | <b>Australia / New Zealand</b> | 1      |
| FC25                                          | jis      | T260                           | as-nzs |
| FC250                                         | jis      | <b>Bulgaria</b>                | 1      |
| <b>Russia / CIS</b>                           | 2        | Vch25                          | bds    |
| SCH25                                         | gost     | <b>Belgium</b>                 | 1      |
| C425                                          | gost     | FGG25                          | nbn    |
| <b>Poland</b>                                 | 2        | <b>Netherlands</b>             | 1      |
| Z125                                          | pn       | GG25                           | nen    |
| ZI250                                         | pn       | <b>Taiwan</b>                  | 1      |
| <b>Austria</b>                                | 2        | FC250                          | cns    |
| GG25                                          | onorm    |                                |        |
| GG250                                         | 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 Vch25

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

**MATERIAL NO.**  
EN-JL1040

**ISSUED**  
Aug 20, 2026