

MATERIAL NUMBER 1.0737 · CLASS 1.0

# 12SMnP35

Material no. 1.0737

also listed as 11 SMnPb 37

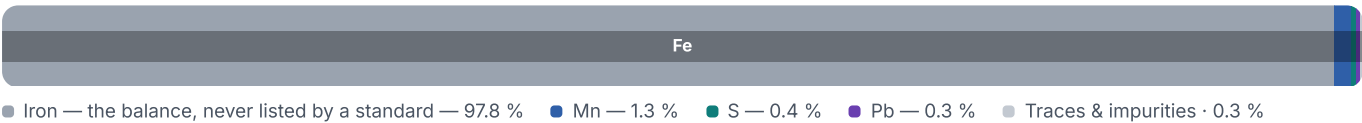
Chemical composition, mechanical and physical property values, and 13 standard designations from 8 regions.

|                                          |                                              |                                     |
|------------------------------------------|----------------------------------------------|-------------------------------------|
| DENSITY<br><b>7.85</b> g/cm <sup>3</sup> | OTHER DESIGNATIONS<br><b>13</b> in 8 regions | PROPERTY VALUES<br><b>7</b> on file |
|------------------------------------------|----------------------------------------------|-------------------------------------|

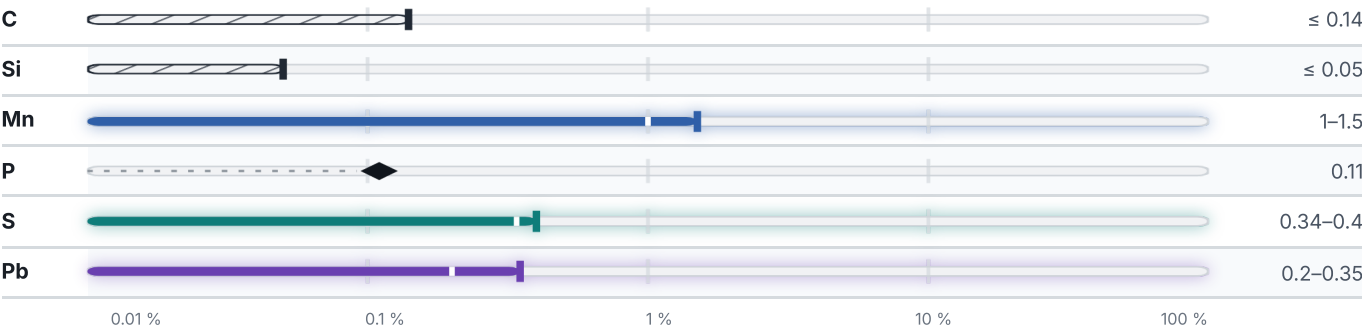
## Chemical composition

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

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

Mechanical properties

11 values across 2 conditions

| COLD DRAWN / HARD    | RM<br>N/mm <sup>2</sup> | A<br>%  |
|----------------------|-------------------------|---------|
| 5 – 10               | 510–810                 | 6       |
| 10 – 16              | 490–760                 | 7       |
| 16 – 40              | 460–710                 | 8       |
| 40 – 63              | 400–650                 | 9       |
| 63 – 100             | 360–630                 | 9       |
| AS ROLLED AND TURNED |                         | HB      |
| As rolled and turned |                         | 107–169 |

Physical properties

1 values

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

Designations across standards

13 designations · 4 documented as identical

|                  |                                   |                |        |
|------------------|-----------------------------------|----------------|--------|
| Europe           | 3                                 | United Kingdom | 1      |
| 1.0737           | din-en                            | 230M07Pb       | bs     |
| 11 SMnPb 37      | This grade's own name<br>din-en   | France         | 1      |
| 9 SMnPb 36       | This grade's own name<br>din-en   | S300Pb         | afnor  |
| Spain            | 3                                 | Italy          | 1      |
| 12SMnP35         | une                               | CF9SMnPb36     | uni    |
| F.2114           | une                               | Sweden         | 1      |
| F.2114-12SMnPb35 | une                               | 1926           | ss     |
| United States    | 2                                 | Latin America  | 1      |
| G12144           | This grade's own name<br>uns      | 12L14          | copant |
| 12L14            | This grade's own name<br>aisi-sae |                |        |

**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 12SMnP35

Quotation, availability, mill certificate or a technical question — directly on the material page.

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DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026