

# 3M962

also listed as 11KH11N2V2MF

Chemical composition, mechanical and physical property values, and 4 standard designations from 1 regions.

| OTHER DESIGNATIONS | PROPERTY VALUES |
|--------------------|-----------------|
| 4 in 1 regions     | 10 on file      |

## Chemical composition

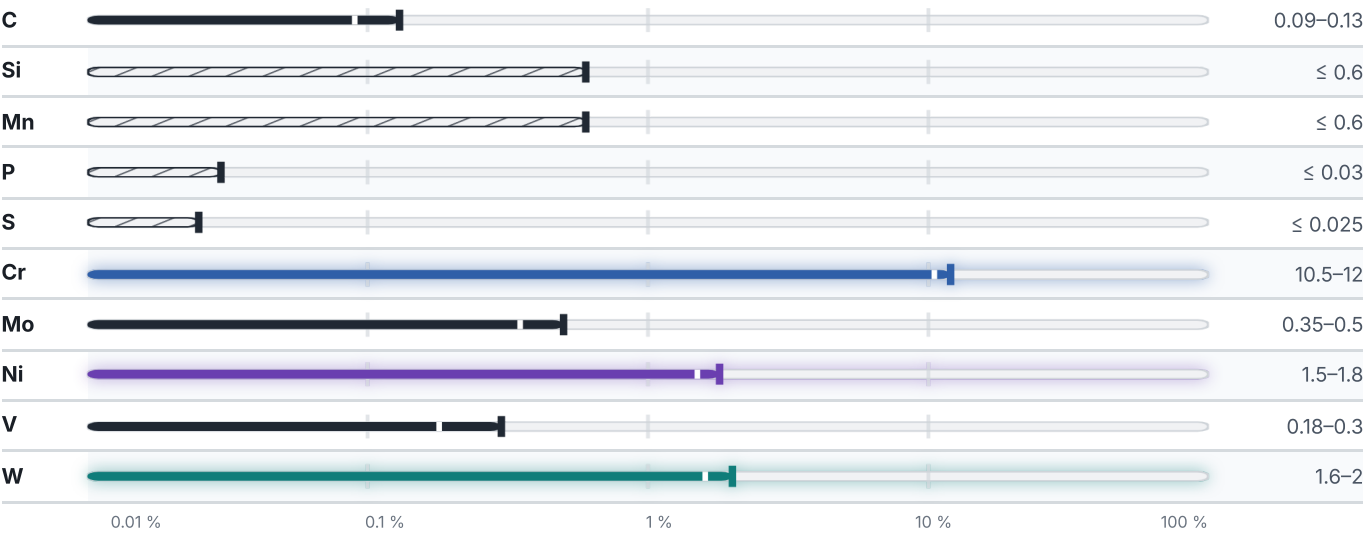
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 83.3 % ● Cr — 11.3 % ● W — 1.8 % ● Ni — 1.7 % ● Traces & impurities · 2 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

8 values across 2 conditions

| CONDITION · DIMENSION                                          | RM<br>N/mm <sup>2</sup> | RE<br>N/mm <sup>2</sup> | A5<br>% | Z<br>% | KCU<br>kJ/m <sup>2</sup> | HB  |
|----------------------------------------------------------------|-------------------------|-------------------------|---------|--------|--------------------------|-----|
| Bar, GOST 5949-75                                              | 835-980                 | 735-835                 | 10-12   | 50-55  | 590-690                  | –   |
| 11KH11N2V2MF ( 11X11H2B2MΦ )<br>(annealing) , Bar GOST 5949-75 | –                       | –                       | –       | –      | –                        | 285 |

| CONDITION · DIMENSION    | RM<br>N/mm <sup>2</sup> | A5<br>% |
|--------------------------|-------------------------|---------|
| Sheet thin, GOST 5582-75 | 830                     | 22      |

Designations across standards

4 designations · 1 documented as identical

|                                                 |      |
|-------------------------------------------------|------|
| Russia / CIS                                    | 4    |
| 11KH11N2V2MF <span>This grade's own name</span> | gost |
| 11X11H2B2MΦ                                     | gost |
| X12H2BMΦ                                        | gost |
| 3И962                                           | gost |

**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 3И962

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

[Start an enquiry](#)

|                                        |                                   |              |              |
|----------------------------------------|-----------------------------------|--------------|--------------|
| DATASHEET ONLINE                       | GRADE SEARCH                      | MATERIAL NO. | ISSUED       |
| <a href="#">View the material page</a> | <a href="#">Search all grades</a> | —            | Aug 15, 2026 |