

$$1 \quad \cdot \quad 1 \quad 1 \quad 1$$

**186** GPa

11

14

— 66.3 %   ■ Cr — 22 %   ■ Ni — 5.5 %   ■ Mo — 3 %   ■ — 3.2 %

| Element | Concentration Range (%) | Value    |
|---------|-------------------------|----------|
| C       | 0.01 - 0.03             | ≤ 0.03   |
| Si      | 0.01 - 1                | ≤ 1      |
| Mn      | 0.01 - 2                | ≤ 2      |
| P       | 0.01 - 0.03             | ≤ 0.03   |
| S       | 0.01 - 0.02             | ≤ 0.02   |
| Cr      | 21 - 23                 | 21-23    |
| Mo      | 2.5 - 3.5               | 2.5-3.5  |
| Ni      | 4.5 - 6.5               | 4.5-6.5  |
| N       | 0.08 - 0.2              | 0.08-0.2 |

( )

|    | E<br>GPa | ALPHA<br>10 <sup>-6</sup> /K | LAMBDA<br>W/(m·K) | CP<br>J/(kg·K) |
|----|----------|------------------------------|-------------------|----------------|
| 20 | 200      | —                            | —                 | —              |

|     | E<br>GPa | ALPHA<br>10 <sup>-6</sup> /K | LAMBDA<br>W/(m·K) | CP<br>J/(kg·K) |
|-----|----------|------------------------------|-------------------|----------------|
| 100 | 194      | 13                           | 19                | —              |
| 200 | 186      | 13.5                         | —                 | —              |
| 300 | 180      | 14                           | 23                | 460            |

|  |      |                     |
|--|------|---------------------|
|  | 186  | GPa                 |
|  | 13.7 | 10 <sup>-6</sup> /K |
|  | 15   | W/(m·K)             |
|  | 500  | J/(kg·K)            |
|  | 800  | nJ·m                |

|  |       |
|--|-------|
|  | 3     |
|  |       |
|  | —     |
|  | —     |
|  | —     |
|  | 1 · 1 |

|                |          |                   |     |
|----------------|----------|-------------------|-----|
|                | 1        |                   |     |
| 022Cr22Ni5Mo3N | gb       |                   |     |
|                | EN 10204 | EN 10204 2.1, 3.1 | 3.2 |

022Cr22Ni5Mo3N

—

2026. 8. 16.