

Physical Properties of Tungsten

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| Atomic Number | 74 |
| Stable Isotope and Content of W % | 180 (0.14); 182 (26.41); 183 (14.4) 184 (30.64); 186 (28.41) |
| Relative Atomic Mass | 183.86 |
| Debye Temperature/K | 400 |
| Density/g.cm ⁻³ | α -W:19.246 ~ 19.256; β -W:18.9 |
| Melting Point/K | 3683 ± 20 |
| Boiling Point/K | 5973 ± 200 |
| Critical Temperature/K | 23000 |
| Latent Heat of Fusion/KJ·mol ⁻¹ | 40.13 ± 6.67 |
| Heat of Sublimation (25°C)/ KJ·mol ⁻¹ | 847.8 |
| Linear Expansivity (298 ~ 2273 K) Bar Made by Powder Metallurgy Sheet Made by Powder Metallurgy Sheet Made by Electric Arc Melting | - 8.69 × 10 ⁻³ + 3.83 × 10 ⁻⁴ T + 7.92 × 10 ⁻⁸ T ² - 4.58 × 10 ⁻³ + 3.65 × 10 ⁻⁴ T + 9.81 × 10 ⁻⁸ T ² - 6.76 × 10 ⁻³ + 3.91 × 10 ⁻⁴ T + 8.98 × 10 ⁻⁸ T ² |
| Electron WorkFunction/eV | 4.5 |