

Yttrium Orthovanadate (YVO₄)

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|---|---|
| Formula | YVO ₄ |
| Crystal Growth | |
| Growth Method | Czochralski method |
| Max. Diameter (mm) | Ø 25 |
| Growth Direction | [100] |
| Crystallographic Properties | |
| Crystal Structure | tetragonal |
| Lattice Constant (nm) | a = 0.71193, c = 0.62892 |
| Cleavage | (100) |
| Physical Properties | |
| Color | Colorless, birefringent |
| Density (g/cm ³) | 4.22 |
| Melting Point (K) | 2098 |
| Thermal Expansion (10 ⁻⁶ K ⁻¹) | α _a = 4.43, α _c = 11.37 |
| Dielectric Constant (16,3 GHz) | 9,23 |
| Hardness (Mohs) | 5 |

