

YVO₄ – Yttrium Orthovanadate

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/cm³)	4.22
Melting Point (K)	2098
Thermal Expansion (10⁻⁶K⁻¹)	α _a = 4.43, α _c = 11.37
Dielectric Constant (16,3 GHz)	9,23
Hardness (Mohs)	5

