

Yttrium Aluminate (YAP)

Formula	YAlO ₃
Crystal Growth	
Growth Method	Czochralski
Growth Direction	[010]
Max. Diameter (inch)	Ø 1.5"
Crystallographic Properties	
Crystal Structure	orthorhombic
Lattice Constant (nm)	a= 0.518027 b= 0.532951 c= 0.737059
	without twins
Physical Properties	
Color	colorless
Density (g/cm ³)	4.88
Melting Point (K)	2143
Thermal Expansion (10 ⁻⁶ K ⁻¹)	2-10x
Dielectric Constant	16-20
Hardness (Mohs)	8.5

