

## Zinc Oxide

<b>Formula</b>	ZnO
<b>Crystal Growth</b>	
Growth Method	hydrothermal
Growth Direction	[0001]
Max. Size (mm)	15 x 15
<b>Crystallographic Properties</b>	
Crystal Structure	hexagonal
Lattice Constant (nm)	a = 0.32498 c = 0.52066
	without twins
<b>Physical Properties</b>	
Color	colorless to pale green
Density (g/cm <sup>3</sup> )	5.7
Melting Point (K)	2250
Thermal Expansion (10 <sup>-6</sup> K <sup>-1</sup> )	3.2
Thermal Conductivity (W/mK)	2.5
Dielectric Constant	8.5
Band Gap (eV)	3.2
Hardness (Mohs)	4

