

Magnesium Oxide

Formula	MgO
Crystal Growth	
Growth Method	Arc Melting
Growth Direction	[100]
Max. Diameter (inch)	Ø 2"
Crystallographic Properties	
Crystal Structure	cubic
Lattice Constant (nm)	a = 0.4203
	without twins
	cleavage plane (100)
Physical Properties	
Color	colorless
Density (g/cm ³)	3.58
Melting Point (K)	3073
Thermal Expansion (10 ⁻⁶ K ⁻¹)	12.8
Dielectric Constant	9.8
Loss Tangent (@ 77K, 10GHz)	~ 9x 10 ⁻³
Hardness (Mohs)	5.8

