

## Magnesium Fluoride (MgF<sub>2</sub>)

<b>Formula</b>	MgF <sub>2</sub>
<b>Crystal Growth</b>	
Growth Method	Stockbarger technique
Max. Diameter (mm)	∅ 90
Growth Direction	[001]
<b>Crystallographic Properties</b>	
Crystal Structure	tetragonal
Lattice Constant (nm)	a = 0.4621, c = 0.3053
Cleavage	(100), (110)
<b>Physical Properties</b>	
Color	colorless, birefringent
Density (g/cm <sup>3</sup> )	3.148
Melting Point (K)	1536
Thermal Expansion (10 <sup>-6</sup> K <sup>-1</sup> )	13,7 ∥ c 8,9 ⊥ c
Dielectric Constant (1 MHz)	4,87 ∥ c 5,45 ⊥ c
Hardness (Mohs)	4

