

Lithium Fluoride (LiF)

Formula	LiF
Crystal Growth	
Growth Method	modified Bridgeman technique
Max. Diameter (mm)	Ø 150
Growth Direction	[111]
Crystallographic Properties	
Crystal Structure	cubic
Lattice Constant (nm)	a = 0.4026
Cleavage	(100)
Slipping Plane	(111)
Physical Properties	
Color	colorless
Density (g/cm ³)	2.639
Melting Point (K)	1121
Thermal Expansion (10 ⁻⁶ K ⁻¹)	37
Dielectric Constant	9,0
Hardness (Mohs)	4

