

LiF – Lithium Fluoride

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

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|--|-----------|
| Color | colorless |
| Density (g/cm³) | 2.639 |
| Melting Point (K) | 1121 |
| Thermal Expansion (10⁻⁶K⁻¹) | 37 |
| Dielectric Constant | 9,0 |
| Hardness (Mohs) | 4 |

