

Barium Fluoride (BaF₂)

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|---|-----------------------|
| Formula | BaF ₂ |
| Crystal Growth | |
| Growth Method | Stockbarger technique |
| Max. Diameter (mm) | Ø 140 |
| Growth Direction | [100] |
| Crystallographic Properties | |
| Crystal Structure | cubic |
| Lattice Constant (nm) | a = 0.6196 |
| Cleavage | (111) |
| Physical Properties | |
| Color | colorless |
| Density (g/cm ³) | 4.893 |
| Melting Point (K) | 1659 |
| Thermal Expansion (10 ⁻⁶ K ⁻¹) | 18,1 |
| Dielectric Constant (1MHz) | 7,33 |
| Hardness (Mohs) | 3 |

