

SrLaAlO₄ – Strontium Lanthanum Aluminate

CRYSTAL GROWTH

Growth Method	Czochralski
Max. Diameter (mm)	Ø18-20

CRYSTALLOGRAPHIC PROPERTIES

Crystal Structure	tetragonal
Lattice Constant (nm)	a = 0.3756 c = 1.263

PHYSICAL PROPERTIES

Color	light yellow
Density (g/cm³)	5.924
Melting Point (K)	1923
Thermal Expansion (10⁻⁶K⁻¹)	1.71 c, 7.55 ⊥ c
Dielectric Constant	17
Loss Tangent (@ 77K, 10GHz)	8×10 ⁻⁴
Hardness (Mohs)	7

