

## Strontium Lanthanum Aluminate

<b>Formula</b>	SrLaAlO <sub>4</sub>
<b>Crystal Growth</b>	
Growth Method	Czochralski
Max. Diameter (mm)	Ø18-20
<b>Crystallographic Properties</b>	
Crystal Structure	tetragonal
Lattice Constant (nm)	a = 0.3756 c = 1.263
<b>Physical Properties</b>	
Color	light yellow
Density (g/cm <sup>3</sup> )	5.924
Melting Point (K)	1923
Thermal Expansion (10 <sup>-6</sup> K <sup>-1</sup> )	1.71    c, 7.55 ⊥ c
Dielectric Constant	17
Loss Tangent (@ 77K, 10GHz)	8x10 <sup>-4</sup>
Hardness (Mohs)	7

