

LSAT $(\text{LaAlO}_3)_{0,3}(\text{Sr}_2\text{AlTaO}_6)_{0,7}$
for Research and Development



CrysTec

KRISTALLTECHNOLOGIE

Growth Method:	czochralski
Crystal Structure:	pseudocubic, twinfree
Density (25°C):	6.74 g/cm ³
Lattice Constant:	a = 0.3868 nm
Colour:	colourless - pale yellow

Physical Properties:	
Melting Point:	2110 K
Hardness:	6.5 (Mohs)
Thermal Expansion:	$8.2 \times 10^{-6} \text{ K}^{-1}$
Dielectric Constant:	22.7 (1 MHz)
Loss tangent	2×10^{-4} (77 K, 8.8 GHz)

Orientation:	(100), (110), (111)
Standard Size:	1", 2", 10 x 10 mm ²
Standard Thickness:	0.5 mm, 1 mm
Surface:	one- or both side epipolished

► For further information please feel free to ask.