

**LiAlO<sub>2</sub>**  
for Research and Development



**CrysTec**

KRISTALLTECHNOLOGIE

<b>Growth Method:</b>	czochralski
<b>Crystal Structure:</b>	tetragonal
<b>Density (25°C):</b>	2.62 g/cm <sup>3</sup>
<b>Lattice Constant:</b>	a = 0.517 nm c = 0.627 nm
<b>Colour:</b>	colourless

<b>Physical Properties:</b>	
<b>Melting Point:</b>	2000 K
<b>Hardness:</b>	6.5 (Mohs)
<b>Thermal Expansion:</b>	a: $7 \times 10^{-6} \text{ K}^{-1}$    c: $15 \times 10^{-6} \text{ K}^{-1}$

<b>Orientation:</b>	(100), (001), (111)
<b>Standard Size:</b>	1", 10 x 10 mm <sup>2</sup> , 10 x 5 mm <sup>2</sup>
<b>Standard Thickness:</b>	0.5 mm, 1 mm
<b>Surface:</b>	one- or both side epipolished

► For further information please feel free to ask.