



Substrates Single Crystal

Single Crystal Substrates

Codex International offers a large variety of single crystal substrates for various applications : ferroelectric, superconductor, optoelectronics...

Large majority of our single crystal substrates can be manufacture in round or square shape, with or without SEMI flat, one or two sides polished, size from 10 x 10 mm to 4" and a large variety of available thicknesses.

Please contact us for custom specifications designed to your specific needs.



Single Crystal Substrates	Max Size	Density	Cleavage
BaF ₂	∅ 200mm	4.84g.cm ⁻³	<111>
BaTiO ₃	15x15mm	4.84g.cm ⁻³	
CAF ₂	∅ 200mm	3.18g.cm ⁻³	<111>
CaNdAlO ₄ (CNAO)	∅ 20mm	5.53g.cm ⁻³	
CoO	∅ 20mm	6.04g.cm ⁻³	
Cr ₂ O ₃	∅ 20mm	5.2g.cm ⁻³	
Gd ₃ Ga ₅ O ₁₂ (GGG)	∅ 4"	7.02g.cm ⁻³	
LaAlO ₃	∅ 4"	6.52g.cm ⁻³	
LiAlO ₂	∅ 3"	2.2g.cm ⁻³	
LiF	∅ 200mm	2.2g.cm ⁻³	<100>
LiGaO ₂	∅ 20mm	4.18g.cm ⁻³	
LiNbO ₃	∅ 20mm	4.64g.cm ⁻³	
LaAlO ₃ Sr ₂ AlTaO ₆ (LSAT)	∅ 3"	6.74g.cm ⁻³	
MgAl ₂ O ₄	∅ 50mm	3.64g.cm ⁻³	
MgF ₂	∅ 150mm	3.18g.cm ⁻³	<100>, <110>
MgO	∅ 3"	3.58g.cm ⁻³	<100>
MnO	∅ 20mm	5.40g.cm ⁻³	
NaCl	30mm ³	2.165.cm ⁻³	
NdGaO ₃ (NGO)	∅ 3"	7.56g.cm ⁻³	
NiO	∅ 20mm	6.96g.cm ⁻³	

SiO ₂	∅ 300mm	2.65g.cm ⁻³	
SrLaAlO ₄	∅ 20mm	5.93g.cm ⁻³	
SrLaGa ₃ O ₇	∅ 20mm	5.20g.cm ⁻³	
SrLaGaO ₄	∅ 20mm	6.4g.cm ⁻³	
SrTiO ₃	∅ 3"	5.18g.cm ⁻³	
TiO ₂	∅ 2"	4.26g.cm ⁻³	
Y3Al5O12 (YAG)	∅ 3"	4.55g.cm ⁻³	
YAlO3 (YAP)	∅ 3"	4.88g.cm ⁻³	
Yttria Stabilized Zirconia (YSZ)	∅ 3"	5.92g.cm ⁻³	

Glass & Optical Substrates	Max Sizes	Standard Codex International	Other
BK7 Substrates	All Shapes, sizes and thicknesses available on request.	25.4mm x 25.4 mm x 0.5mm. Surface quality 60/40.	
Borofloat Substrates		100mm x 100 mm x 1.0 mm, DSP,<60/40>	
AF32 Substrates	Thickness from 0.1mm to 1.1 mm.		Alkali-free
Sodalime			
Corning eagle XG	All Shapes, sizes and thicknesses available on request.	10 mm x 10 mm x 0.7 mm and wafer 100mm dia x 0.5mm, DSP, SQ 60/40	
Corning Gorilla class 6	Please contact us	Please contact us	
Corning Willow	All Shapes, sizes and thicknesses available on request.	100 mm dia. x 0.2 mm thick, SQ 60/40	
UV Fused silicate windows	Wafers 2" up to 300mm. Windows 10x10mm up to 200x200mm, Th 150 up to 2000µm	Windows 10x10x0.5mm	Surface Quality : up to 20-10

ITO Coated glass	All Shapes, sizes and thicknesses available on request.	10x10x 0.5mm R: 9-15 ohm/sq	
FTO Glass	All Shapes, sizes and thicknesses available on request.	100 x 100 x 2.2 mm, R: 6-8 ohm/sq	

For other technical specifications, please contact us :

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All our substrates and wafers are delivered packed in standard cassette with vacuum sealed in clean room environment.