

Stock Wafer Tolerances & Dimensions



Sydor Optics stocks 3 different 100mm diameter wafers which ship within 2-3 business days. Contact us for minimum order and pricing information.

If the stock wafers do not fit your needs our Sales Engineers are available to discuss your custom wafer requirements

Sydor Optics, Inc.
31 Jetview Drive
Rochester, NY 14624

P: +1 (585) 271-7300
F: +1 (585) 271-7309
E: sales@sydor.com
W: www.sydor.com

Fused Silica Wafer - Part #: S1000314	
Material	Corning® HPFS® 7980
Diameter	100mm (+/- 0.1mm)
Thickness	0.5mm (+/- 0.05mm)
Bow	20µm
Warp	25µm
TTV	≤ 2µm
Surface Roughness	≤ 10 Å rms
Parallelism	< 2 arc seconds
Surface Quality	40-20 (both sides)
Clear Aperture	85% central
Bevels	c-shape
SEMI Notch	none
SEMI Flat	none

Fused Silica Wafer - Part #: S1000315	
Material	Corning® HPFS® 7980
Diameter	100mm (+/- 0.1mm)
Thickness	1mm (+/- 0.05mm)
Bow	10µm
Warp	15µm
TTV	≤ 2µm
Surface Roughness	≤ 10 Å rms
Parallelism	< 2 arc seconds
Surface Quality	40-20 (both sides)
Clear Aperture	85% central
Bevels	c-shape
SEMI Notch	none
SEMI Flat	none

Borofloat Wafer - Part #: S1000316	
Material	SCHOTT BOROFLOAT®
Diameter	100mm (+/- 0.1mm)
Thickness	0.5mm (+/- 0.05mm)
Bow	20µm
Warp	25µm
TTV	≤ 2µm
Surface Roughness	≤ 12 Å rms
Parallelism	< 2 arc seconds
Surface Quality	40-20 (both sides)
Clear Aperture	85% central
Bevels	c-shape
SEMI Notch	none
SEMI Flat	none

Visit www.sydor.com/products/glass-wafers/ to learn more about custom wafer manufacturing tolerances, dimensions and available glass types.