

**Product Identification**

Film Name: Thermal Oxide  
 Process ID: D03WOX  
 Scientific: SiO2  
 Classification: Standard

**Applications**

Dielectric  
 Adhesion Layer  
 Masking  
 Insulation Layer  
 Patterning

**Features**

Low Cost  
 Large Batch Capacity  
 Custom Fixturing Available

**Standards & Guarantees**

Inspection: Standard I/O - First & Last  
 Guaranteed: Thickness (On Si Monitors)

*Items may vary when ordering outside the standard*

**Other Information**

- **Outsource:** Strataglass subcontracts wet oxide for film thicknesses over 1.5um and wafers over 100mm to a qualified film vendor. Deposition temperature is 1100C and lead time is 2 weeks. Strataglass inspects the wafers both before and after deposition. Please contact us if you have any questions regarding this outsourcing.

**Film Specifications**

Film Thickness	Standard	1000A to 15,000A ± 5%
	Adjustable Range	to 24,000A ± 5%
Refractive Index	Standard	1.46
	Adjustable Range	Fixed
Film Uniformity	Edge to Edge	5%
	Across Load	5%
Deposition Temp	Standard	1050C
	Adjustable Range	Fixed
Film Stress	Standard	N/A
	Adjustable Range	N/A

**Film Properties**

Electrical	Insulating Quality	Very Good
	Dielectric Constant	N/A
Mechanical	Hydrogen Inclusion	Low
	Scratch Protect	Good
	Masking Ability	Good
	Diffusion Barrier	Moderate
	Thermal Stability	Very Good
Etch Rate	BOE (50%)	Fast
	KOH	N/A
	Plasma	Moderate
Hydrology	Hydrophobic	High