STRATAGLASS

PECVD ZERO STRESS NITRIDE

Product Identification

Film Name:	PECVD Zero Stress Nitride
Process ID:	D01FSN
Scientific:	Silicon Nitride - SiN
Classification:	Custom

Features

Low Cost
Variable Processing Parameters
Large Batch Capacity
Adjustable Stress Range

Standards & Guarantees

Inspection: Standard I/O - First & Last
Guaranteed: Thickness (On Si Monitors)
Guaranteed: Refractive Index (On Si Monitors)
Reference: Stress (On Si Monitors) (Not Guaranteed)

Items may vary when ordering outside the standard

Applications

Passivation
Inter-layer Dielectric
Masking
Patterning
Insulation Layer
Wear Coating
Thick Structures
Encapsulation
Adhesion Layer

Film Specifications

Film Thickness	Standard	1000A to 10,000A ± 10%
	Adjustable Range	500A to 100,000A ± 10%
Refractive Index	Standard	2.00 ± .05
	Adjustable Range	Fixed
Film Uniformity	Edge to Edge	10%
	Across Load	10%
Deposition Temp	Standard	380C
	Adjustable Range	100C to 600C
Film Stress	Standard	0 MPa ± 100MPa
	Adjustable Range	None

Film Properties

Electrical	Insulating Quality	N/A
	Dielectric Constant	N/A
Mechanical	Hydrogen Inclusion	N/A
	Scratch Protect	N/A
	Masking Ability	N/A
	Diffusion Barrier	N/A
	Thermal Stability	N/A
Etch Rate	N/A	N/A
Hydrology	N/A	N/A

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