



PROPERTIES

Product Information: CORNING® - 0211 MICROSHEET

08/11

Thickness

	#00	#0	#1	#1 1/2	#2	#3	#4
Min. (in./mm)	.0020/.05	.0033/.08	.0051/.13	.0063/.16	.0075/.19	.0098/.25	.0170/.43
Max.(in./mm)	.0033/.08	.0051/.13	.0063/.16	.0075/.19	.0098/.25	.0138/.35	.0250/.64

Full Sheet Size

	#00	#0	#1	#1 1/2	#2	#3	#4
Width (in)	15 1/4	15 1/4	16 1/4	16	16 1/4	16 1/2	17
Length (in)	15-16	15-16	15-16	15-16	15-16	14-16	14-16
Width (mm)	387	387	412	406	412	419	432
Length (mm)	381-406	381-406	381-406	381-406	381-406	355-406	355-406

Minimum Quality

Area (Sq. in./mm)	180/4572	180/4572	214/5436	214/5436	225/5715	182/4623	182/4623	196/4978
Width (in./mm)	12/304	12/304	14.25/362	14.25/362	15/381	13/330	13/330	14/355
Length (in/mm)	15/381	15/381	15/381	15/381	15/381	14/355	14/355	14/355

Mechanical

Density
 Young's Modulus
 Poisson's Ratio
 Shear Modulus
 Knoop Hardness (KHN₁₀₀)

Metric

2.53 g/cm³
 7.59 x 10³kg/mm²
 0.22
 3.09 x 10³kg/mm²
 458

English

157.9 lb/ft³
 10.8 x 10⁶ psi
 4.4 x 10⁶ psi

Thermal

Coefficient of Expansion (0-300°C)
 (25°C to set Point 513°C)

73.8 x 10⁻⁷/°C 41.0 x 10⁻⁷/°F
 84.0 x 10⁻⁷/°C 46.7 x 10⁻⁷/°F

Thermal Conductivity, 0°C

.0023 $\frac{\text{cal/cm}}{\text{sec cm}^2\text{C}}$.54 $\frac{\text{Btu ft}}{\text{hr}^2\text{C}}$

Viscosity

Working Point (10 ⁴ poises)	1008°C	1846°F
Softening Point (10 ^{7.6} poises)	720°C	1328°F
Annealing Point (10 ¹³ poises)	550°C	1022°F
Strain Point (10 ^{14.5} poises)	508°C	946°F

Optical

Refractive Index (589.3 nm)	1.523
Transmission @ 420 nm	92%*
@ 2200 nm	92%*

*Through a sample thickness 1.0 mm

Electrical

Log ₁₀ Volume Resistivity @ 250°C	8.3 ohm-cm
@ 350°C	6.7 ohm-cm
Dielectric Constant @ 20°C; 1 Mhz	6.7
Loss Tangent @ 20°C; 1 Mhz	0.46%