Product Name: 0211

Description:

0211 is drawn by a unique process which imparts a practically flawless, fire-polished surface suitable for many applications without the grinding and polishing usually associated with other glasses. Perhaps the most unique feature of 0211 is its exceptional thinness and the uniformity to which it is held. In addition, 0211 offers all the permanence, protection and transmittance afforded by glass. Although containing alkali, 0211 has a soda content approximately one-half that found in soda lime glasses. When subjected to a soda extraction test this glass yields values that are nominally 25% of those measured for soda lime glasses.

Available Thicknesses:

Ref. Number	*Thickness*	*Tolerance*	*Sheet Sizes (approx. quality area)*
#00	.0026 in.	± 0.0007 in.	12"x 15"
#0	.0042 in.	± 0.0009 in.	12" x 15"
#1	.0057 in.	± 0.0006 in.	14.25" x 15"
#1½	.0069 in.	± 0.0006 in.	14.25" x 15"
#2	.0087 in.	± 0.0011 in.	15" x 15"
#3	.0118 in.	± 0.0020 in.	13" x 14"
#4	.0210 in.	± 0.0040 in.	14" x 14"

Properties:

Refractive Index:

n_d (λ= 588nm) = 1.523

Transmission: (estimated at .23 mm thick)

@ 300 nm	12%	@ 320 nm	70%	@ 3650 nm	70%
@ 310 nm	45%	350-2500 nm	90%+	@ 4700 nm	50%

Mechanical and Thermal:

Density 2.53 g/cm^3 Young's Modulus 7.59 x 10^3 Kg/mm^2

Thermal Coefficient of Expansion (0-300°C) = 73.8 x 10^{-7}

Chemical:

Classification	*Thickness loss (in.)*
1	<10^{-6}
2	10^{-6} to 10^{-5}
3	10^{-5} to 10^{-4}
4	>10^{-4}

Electrical:

Dielectric Constant @ 20°C; 1 MHz	6.7
Dielectric Loss Factor @ 20°C; 1 MHz	0.46%

Applications:

Cover glass, photoconductors, thin & thick film substrates, touch panels, protective covers, magnetic film memory devices and flat panel display substrates.