

## Typical Values of Microslides (Soda Lime Glass)

### Chemical Composition (Approximate)

Silicon Dioxide	72.20%
Sodium Oxide	14.30%
Calcium Oxide	6.40%
Magnesium Oxide	4.30%
Aluminum Oxide	1.20%
Potassium Oxide	1.20%
Sulfur Trioxide	0.03%
Iron Oxide	0.03%

### Physical Properties

Annealing Temperature	545°C
Softening Temperature	720°C
Strain Point	494°C
Density	2.48 gm/cm <sup>3</sup>
Solar Reflection 2nd Surface Mirror M=2 1 mm glass	95.30%
Light Transmission Total Solar M=2 1 mm glass	91.50%
Poisson's Ratio	0.2
Dimensional Variance (Thickness)	.1mm(10 cm or less) .5 mm(10 cm or larger)
Coefficient of Expansion	90.6x10 <sup>-7</sup> °C
Refractive Index	1.517 at 546.07 nanometers

### Standard Thicknesses

MM	Inches
0.6-0.8	0.24-0.31
0.8-1.0	0.31-0.39
0.92-1.05	0.36-0.41
1.0-1.2	0.39-0.47
1.2-1.32	0.47-0.52
1.3-1.5	0.51-0.59
1.4-1.7	0.55-0.67
1.5-1.8	0.59-0.71
1.8-2.0	0.71-0.79
2.7-3.0	1.06-1.18
3.6-4.0	1.41-1.51
4.7-5.3	1.86-2.08