



SODALIME GLASS

Thickness	Tolerance
.011"	+/- .001"
.022"	+/- .002"
.028"	+/- .004"
.035"	+/- .004"
.043"	+/- .004"
.047"	+/- .004"
.063"	+/- .004"
.091"	+/- .004"
.118"	+/- .006"

SODA LIME GLASS PROPERTIES

Refractive index-	1.523 (435nm), 1.513 (645 nm)
Thermal Conductivity:	0.937 W.m/m ² °C
Soda Lime TCE:	(0/300 °C): 8.6 x 10 ⁻⁶ /°C
Annealing point:	546 C / 1015 F
Strain point:	514 C / 957 F
Softening Point:	726°C/1340°F
Substrate density:	2.44 g/cm ³ @ 20 C / 68 F
Modulus of Elasticity (Young's):	7.2 x 10 ¹⁰ Pa
Modulus of Rigidity (Shear):	3.0 x 10 ¹⁰ Pa
Bulk Modulus:	4.3 x 10 ¹⁰ Pa
Poisson's ratio:	.22
Density (at 20 °C/68 °F):	2.44 g/cm ³
Hardness (Moh's Scale):	6 - 7
Knoop Hardness:	585 kg/mm ² ± 20
Specific Gravity:	2.53
Specific Heat:	0.21
Specific Weight:	2,483 g/cm ³