What is claimed is:

1. A glass comprising in mole percent on an oxide basis:

SiO_2: 68.86 -70.87;

Al_2O_3: 10.55-13.06;

B_2O_3: 0.1-2.29;

MgO: 4.82-6.4;

CaO: 5.31-7.35;

SrO: 0.3-3.74; and

BaO: 1.5-4.64,

wherein the glass is substantially alkali-free defined by a combined concentration of Li_2O, Na_2O, and K_2O less than 0.1 mol.%,

wherein a ratio of RO/Al_2O_3 is in a range of from 1.39 to 1.83, and RO is the sum of the mole percents of MgO, CaO, SrO, and BaO, and

wherein the glass has a stress optical coefficient (SOC) in a range of from 27.70 to 29.70.

2. The glass of claim 1, wherein B_2O_3 is in a range of from 0.1 to 1.98 by mole percent.

3. The glass of claim 1, wherein B_2O_3 is in a range of from 0.5 to 1.90 by mole percent.

4. The glass of claim 1, wherein a ratio of RO/Al_2O_3 is in a range of from 1.47 to 1.83.

5. The glass of claim 1, further comprising 0.01 mol.% to 0.4 mol.% of a chemical fining agent selected from SnO_2, As_2O_3, Sb_2O_3, Fe_2O_3, CeO_2, MnO_2, F, Cl, Br, or any combination thereof.

6. The glass of claim 5, wherein the chemical fining agent comprises 0.08 mol.% to 0.13 mol.% of SnO_2.

7. The glass of claim 1, wherein the glass has an annealing point in a range from 775 ^oC to 810 ^oC.

8. The glass of claim 1, wherein the glass has an annealing point in a range from 780 ^{o}C to 810 ^{o}C.

9. The glass of claim 1, wherein the glass has an annealing point in a range from 785 ^{o}C to 810 ^{o}C.

10. The glass of claim 1, wherein the glass has an annealing point in a range from 780 ^{o}C to 791 ^{o}C.

11. The glass of claim 1, wherein the glass has an elastic modulus in a range of from 82.47 GPa to 84.90 GPa.

12. The glass of claim 1, wherein the glass has a stress optical coefficient (SOC) in a range of from 27.70 to 29.70.

13. A glass comprising in mole percent on an oxide basis:

SiO_2: 68.86 -70.87;

Al_2O_3: 10.55-13.06;

B_2O_3: 0.1 -1.98;

MgO: 4.82-6.4;

CaO: 5.31-7.35;

SrO: 0.3-3.74; and

BaO: 1.5-4.64,

wherein the glass is substantially alkali-free defined by a combined concentration of Li_2O, Na_2O, and K_2O less than 0.1 mol.%,

wherein a ratio of RO/Al_2O_3 is in a range of from 1.39 to 1.83, and RO is the sum of the mole percents of MgO, CaO, SrO, and BaO, and

wherein the glass has an elastic modulus in a range of from 82.47 GPa to 84.90 GPa, and a stress optical coefficient (SOC) in a range of from 27.70 to 29.70.

14. The glass of claim 13, wherein a ratio of RO/Al_2O_3 is in a range of from 1.47 to 1.83.

15. The glass of claim 13, further comprising 0.08 mol.% to 0.13 mol.% of SnO_2 as a chemical fining agent.

16. The glass of claim 13, wherein the glass has an annealing point in a range from 775 ^oC to 810 ^oC.

17. The glass of claim 13, wherein the glass has an annealing point in a range from 780 ^oC to 791 ^oC.

18. An article comprising the glass of claim 1.

19. A substrate for liquid crystal display comprising the glass of claim 1.

20. A device for flat panel display comprising at least one sheet comprising the glass of claim 1, and polycrystalline silicon thin film transistors.

21. A method for producing the glass of claim 1, comprising mixing and melting raw materials in mole percent on an oxide basis.

22. The method of claim 21, further comprising making a sheet comprising the glass through a downdraw sheet fabrication process or a fusion process.