What is claimed is:

1. A heat control member comprising:

an aerogel composition, the aerogel composition including one or more additives, the additives being present at a level of at least about 5 to 20 percent by weight of the aerogel composition, wherein the heat control member has a thermal conductivity of less than about 40 mW/mK, wherein the heat control member is substantially planar and has a first major outer surface and a second major outer surface.

2. The heat control member of claim 1, wherein the additives are present at a level of at least about 10 to 20 percent by weight of the aerogel composition.

3. The heat control member of claim 1 or claim 2, wherein the one or more additives include fire-class additives.

4. The heat control member of claim 1 or claim 2, wherein the one or more additives include opacifiers.

5. The heat control member of claim 1 or claim 2, wherein the one or more additives include a combination of fire-class additives and opacifers.

6. The heat control member of claim 1 or claim 2, wherein the one or more additives includes a clay mineral.

7. The heat control member of claim 1 or claim 2, wherein the one or more additives includes kaolin.

8. The heat control member of claim 1 or claim 2, wherein the one or more additives are selected from the group consisting of boron carbide, diatomite, manganese ferrite, MnO, NiO, SnO, Ag2O, Bi2O3, carbon black, graphite, titanium oxide, iron titanium oxide, aluminum oxide, zirconium silicate, zirconium oxide, iron (II) oxide, iron (III) oxide, manganese dioxide, iron titanium oxide (ilmenite), chromium oxide, silicon carbide, titanium carbide, tungsten carbide, or mixtures thereof.

9. The heat control member of claim 1 or claim 2, wherein the one or more additives includes silicon carbide.

10. The heat control member of claim 1 or claim 2, wherein the aerogel composition includes a reinforcement material.

11. The heat control member of claim 10, wherein the reinforcement material comprises fibers.

12. The heat control member of claim 11, wherein the fiber is selected from the group consisting of discrete fibers, woven materials, non-woven materials, needled non-wovens, battings, webs, mats, felts, and combinations thereof.

13. The heat control member of claim 1 or claim 2, wherein the aerogel composition has an uncompressed thickness in the range of about 1 mm to about 5 mm.

14. The heat control member of claim 13, wherein the aerogel composition has an uncompressed thickness of less than about 3 mm.

15. The heat control member of claim 13, wherein the aerogel composition has an uncompressed thickness of less than about 2 mm.

16. The heat control member of claim 1 or claim 2, wherein the aerogel composition has a density less than about 0.3 g/cm^3.

17. The heat control member of claim 1 or claim 2, wherein the aerogel of the aerogel composition comprises inorganic, organic, or inorganic/organic hybrid materials.

18. The heat control member of claim 17, wherein the aerogel composition is a silica aerogel composition.

19. The heat control member of claim 18, wherein the aerogel composition comprises alkylated silica.

20. The heat control member of claim 1 or claim 2, wherein the heat control member further includes a thermally capacitive material.

21. The heat control member of claim 20, wherein the thermally capacitive material includes at least one layer comprising metal.

22. The heat control member of claim 1 or claim 2, wherein the heat control member further includes a thermally conductive material.

23. The heat control member of claim 22, wherein the thermally conductive material includes at least one layer comprising metal, carbon, conductive polymer, or combinations thereof.

24. The heat control member of claim 1 or claim 2, wherein the heat control member includes a plurality of layers of the aerogel composition.

25. The heat control member of claim 24, further comprising at least one layer of thermally conductive material or at least one layer of thermally capacitive material disposed between at least two of the plurality of layers of the aerogel composition.

26. The heat control member of claim 1 or claim 2, wherein the heat control member has an uncompressed thickness in the range of about 2 mm to about 7 mm.

27. The heat control member of claim 1 or claim 2, further comprising an encapsulation member forming at least one of the first or second major outer surface.

28. The heat control member of claim 1 or claim 2, wherein the aerogel composition includes an encapsulation member.

29. A battery module comprising:

a first battery cell and a second battery cell, and

the heat control member of claim 1 or claim 2, wherein the heat control member is disposed between the first battery cell and the second battery cell.

30. A battery module comprising:

at least one battery cell, and

the heat control member of claim 1 or claim 2, wherein the heat control member is disposed on a surface of the at least one battery cell or on a surface of the battery module.

31. A battery pack comprising:

at least one battery cell, and

the heat control member of claim 1 or claim 2, wherein the heat control member is disposed on a surface of the at least one battery cell or on a surface of the battery pack.