form the group consisting of high dielectric constant semiconductor organic solids metallophthalocyanine oligomer, ClAn/Cl_4 Pa, and Pyrene/o-iodoBA.

4. The composite of claim **1**, wherein said composite exhibits mechanical properties about those of said polymer matrix.

5. The composite of claim **1**, wherein said composite is in the form of a film.

6. An electrical device comprising at least one layer of the film of claim **5**.

7. The composite of claim **1**, wherein said at least one high-dielectric constant material is present in an amount from about 20 wt % to about 80 wt %, of the total weight of the composite.

8. The composite of claim **1**, wherein said at least one high-dielectric constant material is present in an amount from about 40 wt % to about 60 wt %, of the total weight of the composite.

9. The composite claim **1**, wherein said composite has a dielectric constant higher than 400.

10. A composite material comprising:

a polymer matrix; and

at least one high-dielectric constant organic material having a dielectric constant higher than 1.000;

wherein said polymer matrix comprises at least one ferroelectric polyvinylidine fluoride polymer, that has been processed to exhibit an electrostrictive strain of 3% or more when an electric field strength of 50 megavolts per meter or greater is applied thereacross.

11. The composite of claim **10**, wherein said polyvinylidine fluoride polymer is selected from the group of: polyvinylidene fluoride, polyvinylidine tetrafluoroethylene P(VDF-TFE), polyvinylidine trifluoroethylene hexafluoropropylene P(VDF-TFE-HFE) and polyvinylidine hexafluoropropylene P(VDF-HFE).

12. The composite material of claim **10**, wherein said polymer matrix comprises a dielectric constant measured at room temperature of at least 20 when measured in the frequency range from about 1 to about 100 Hz.

13. A composite material comprising:

a polymer matrix; and

at least one high-dielectric constant organic material having a dielectric constant higher than 1.000;

wherein said polymer matrix comprises at least one terpolymer comprising: at least one monomer of vinylidene-fluoride; at least one monomer selected from the group consisting of trifluoroethylene and tetrafluoroethylene; and at least one monomer selected from the group consisting of vinyl fluoride, perfluoro (methyl vinyl ether); bromotrifluoroethylene, chlorofluoroethylene, chlorotrifluoroethylene, hexafluoropropylene, and tetrafluoroethylene.

14. The composite of claim **13**, wherein said polymer matrix comprises at least one terpolymer selected from the group consisting of:

polyvinylidene fluoride-trifluoroethylene-chlorotrifluoroethylene P(VDF-TrFE-CTFE), polyvinylidene fluoride-tetrafluoroethylene-chlorotrifluoroethylene, polyvinylidene fluoride-trifluoroethylene-hexafluoropropylene P(VDF-TrFE-HFP), polyvinylidene fluoride-tetrafluoroethylene-hexafluoropropylene, polyvinylidene fluoride-trifluoroethylene-tetrafluoroethylene, polyvinylidene fluoride-trifluoroethylene-vinyl fluoride, polyvinylidene fluoride-tetrafluoroethylene-vinyl fluoride, polyvinylidene fluoride-trifluoroethylene-perfluoro (methyl vinyl ether), polyvinylidene fluoride-tetrafluoroethylene-perfluoro(methyl vinyl ether), polyvinylidene fluoride-trifluoroethylene-bromotrifluoroethylene, polyvinylidene fluoride-tetrafluoroethylene-bromotrifluoroethylene, polyvinylidene fluoride-trifluoroethylene-chlorofluoroethylene, polyvinylidene fluoride-tetrafluoroethylene-chlorofluoroethylene, polyvinylidene fluoride-trifluoroethylene-vinylidene chloride, and polyvinylidene fluoride-tetrafluoroethylene-vinylidene chloride.

15. The composite of claim **13**, wherein said composite comprises particles of high-dielectric constant material suspended in said polymer matrix.

16. The composite of claim **15**, wherein said particles of high-dielectric constant materials are uniformly distributed in said polymer matrix.

17. A composite material comprising:

a polymer matrix; and

at least one high-dielectric constant organic material having a dielectric constant higher than 1,000;

wherein said polymer matrix is the copolymer P(VDF-TrFE) and said high-dielectric constant material is metallophthalocyanine oligomer.

18. A material comprising a polymer matrix comprising a dielectric constant measured at room temperature of at least 20 when measured in the frequency range from about 1 to about 100 Hz and at least one high-dielectric constant organic material having a dielectric constant higher than 1,000, wherein said polymer matrix and said high-dielectric constant material are chemically bonded to form said material.

19. The composite claim **18**, wherein said composite has a dielectric constant higher than 400.

20. A high dielectric constant composite material prepared by a process comprising the steps of:

solubilizing a polymer matrix comprising a dielectric constant measured at room temperature of at least 20 when measured in the frequency range from about 1 to about 100 Hz;

adding at least one high-dielectric constant organic material having a dielectric constant higher than 1,000 to said polymer; and

forming a film.

21. The composite material of claim **20**, wherein said high dielectric constant material comprises at least one material selected form the group consisting of high dielectric constant semiconductor organic solids, metallophthalocyanine oligomer, ClAn/Cl_4Pa, and Pyrene/o-iodoBA.

22. A high dielectric constant composite material prepared by a process comprising the steps of:

solubilizing a polymer matrix;

adding at least one high-dielectric constant organic material having a dielectric constant higher than 1,000 to said polymer; and

forming a film;

wherein said polymer matrix comprises at least one ferroelectric polyvinylidine fluoride polymer, that has been processed to exhibit an electrostrictive strain of 3% or more when an electric field strength of 50 megavolts per meter or greater is applied thereacross.