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6. The method of claim 5 wherein X is OH or SH if any B of the polymerizable organic superdiacid monomer is a halide.

7. The method of claim 2 wherein the aromatic monomer comprises one of 4,4'-difluorobenzophenone, 4,4'-difluorodiphenylsulfone, 4,4'-didichlorodiphenylsulfone, or 1,3-bis(4'-fluorobenzoyl)benzene. 5

8. The method of claim 1 wherein polymerizing the polymerizable organic superdiacid monomer comprises polymerizing the polymerizable organic superdiacid in a solvent and 10 a base.

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9. The method of claim 8 wherein the solvent is comprises sulfolane, diphenylsulfone, dimethylfluoride, dimethylsulfoxide, dimethylacetamide, N-methylpyrrolidinone, or combinations thereof.

10. The method of claim 8 wherein the base comprises sodium hydroxide, potassium carbonate, or a combination thereof.

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