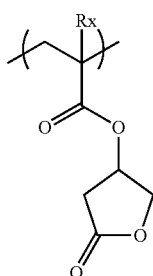
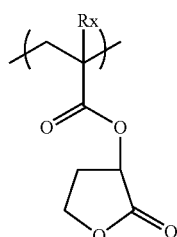
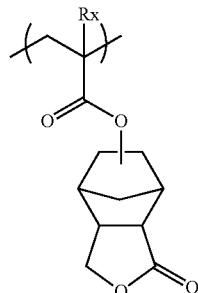
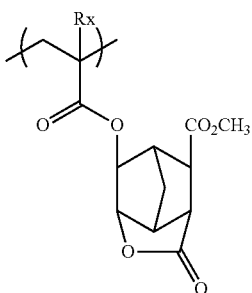
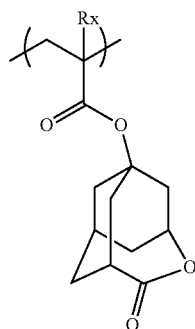
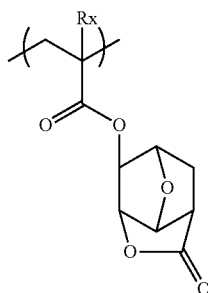
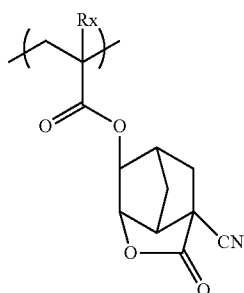
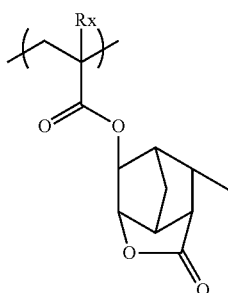
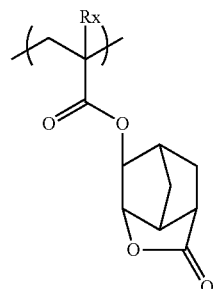
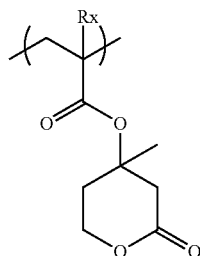


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Particularly preferred repeating units having a lactone group include the following repeating units. By selecting an optimal lactone group, the pattern profile and the iso/dense bias are improved. In the formulae, each of Rx and R represents H, CH₃, CH₂OH or CF₃.

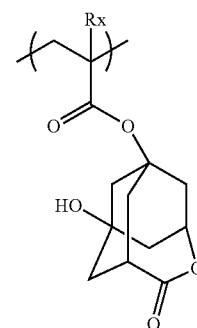
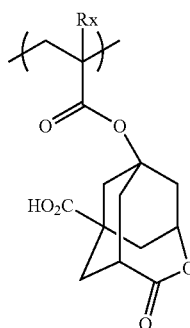
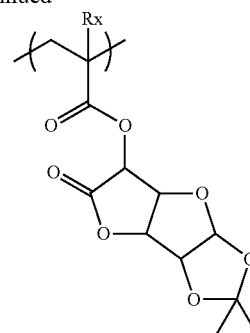
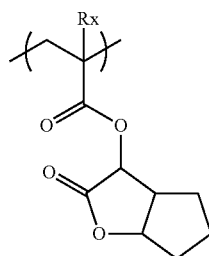


[Chem. 143]



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-continued



[Chem. 144]

