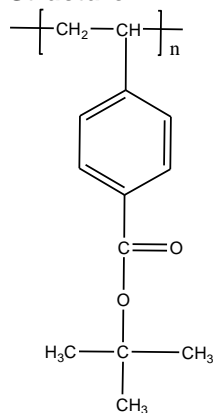
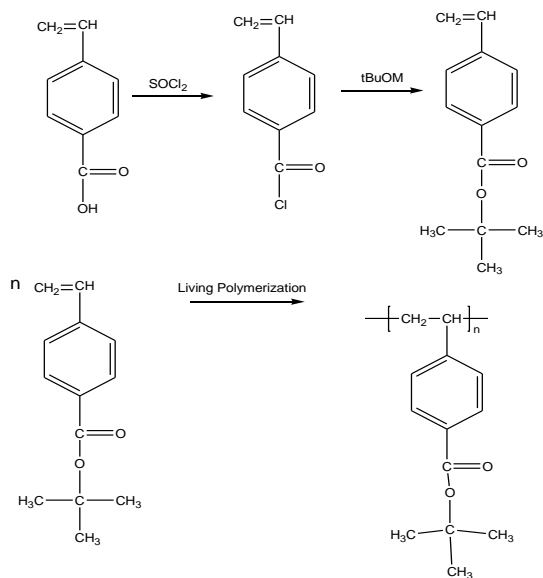


Sample Name:**Poly(4-vinyl tert.butyl benzoate)****Sample #: P10144-VBAtBuester****Structure:****Composition:**

Mn × 10 ³	PDI
8.0	1.15

Synthesis Procedure:

Poly(4-vinyl benzoic acid) is synthesized by making the t-butyl vinylbenzoate monomer followed by polymerization. The reaction scheme is shown below.

**Characterization:**

The molecular weight and polydispersity index (PDI) of poly(t-butyl vinylbenzoate) are obtained by size exclusion chromatography.

Solubility:

Polymer is soluble in DMF, THF and CHCl₃. It precipitates from water and cold hexanes.