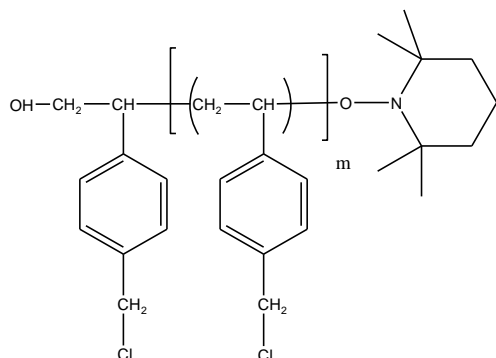


Sample Name: α -Hydroxyl - ω -Tempo moiety
 Terminated Poly (4-vinyl benzyl chloride)
 Sample #: P10184A-VBCOHT

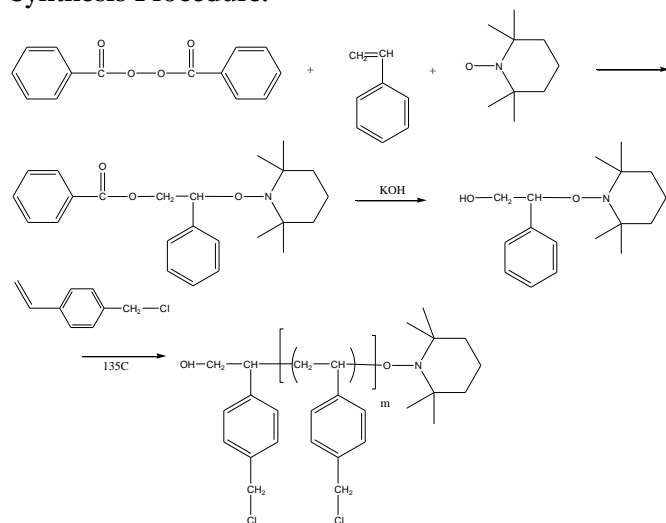
Structure:



Composition:

Mn x 10 ³	Mw/Mn (PDI)
17.0	1.9

Synthesis Procedure:



Characterization:

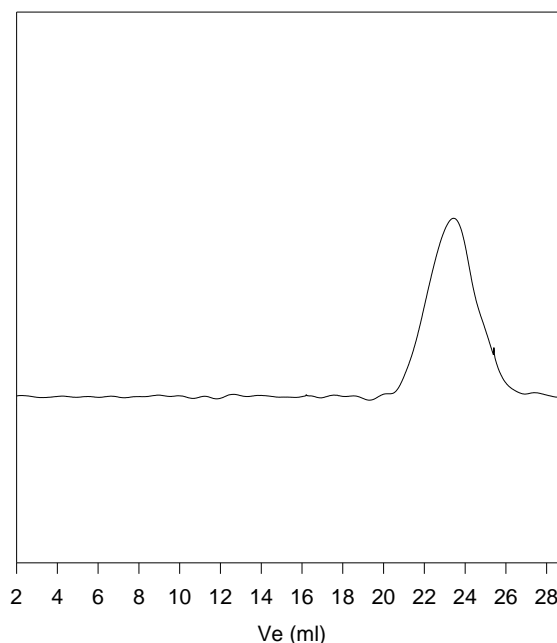
An aliquot of the copolymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI), the instrument was calibrated by Polystyrene standards. The chemical composition was calculated from ¹H-NMR spectroscopy by comparing the peak area of the phenyl protons at 6.8-7.4 ppm with the peak area of methyl methacrylate at 2.6-3.6 ppm.

Solubility:

Polymer is soluble in THF, DMF, Toluene and chloroform. Precipitate from methanol and Hexanes.

SEC profile of the product:

P10184A-4VBCOHT



Size Exclusion Chromatography of poly(4-vinyl benzyl chloride)OHT

— $M_n = 17,000$, $M_w = 32,000$, $M_w/M_n = 1.9$