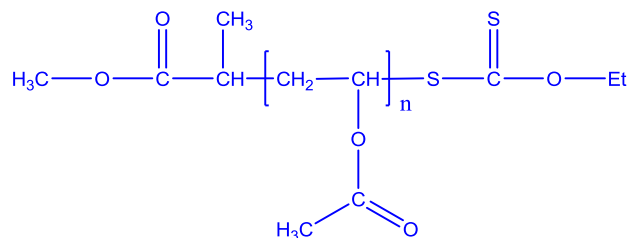


Sample Name: Poly(Vinyl Acetate)

SEC of Homopolymer:

Sample #: P6717-VAc

Structure:

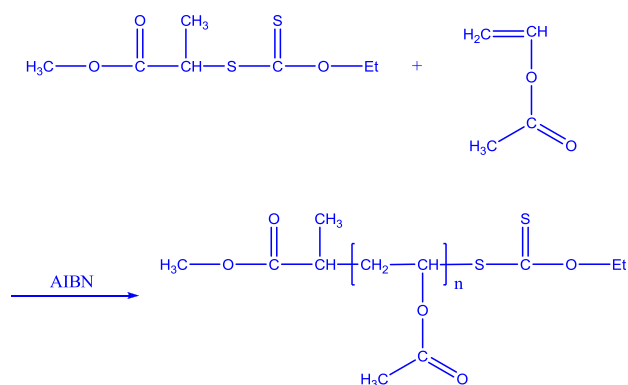


Composition:

Mn x 10 ³	PDI
6.7	1.59

Synthesis Procedure:

Poly(vinyl acetate) was obtained by MADIX polymerization using xanthate as chain transfer agent and AIBN as initiator.



Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co. ¹H NMR analysis was carried out on Varian instrument at 500MHz. The molecular weight of oligomer was calculated by NMR..

Solubility:

Polymer is soluble in THF, CHCl₃, toluene and dioxane. The polymer precipitates from hexanes and ether.

P6717-VAc

