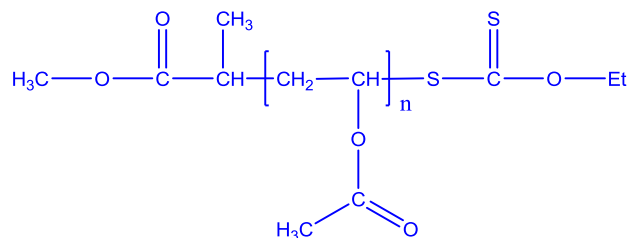


Sample Name: Poly(Vinyl Acetate)

SEC of Homopolymer:

Sample #: P6714-VAc

Structure:

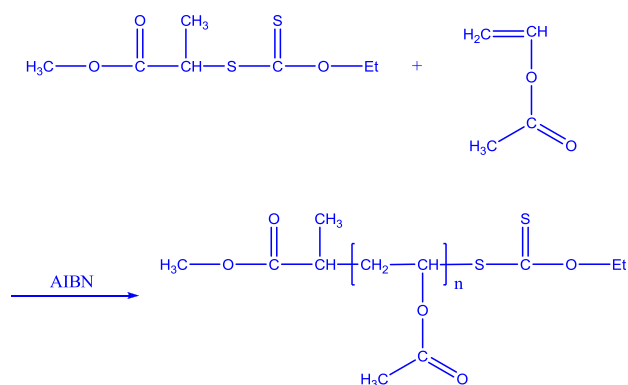


Composition:

$M_n \times 10^3$	PDI
13.5	1.44

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, $CHCl_3$, toluene and dioxane. The polymer precipitates from hexanes and ether.

P6714-VAc

