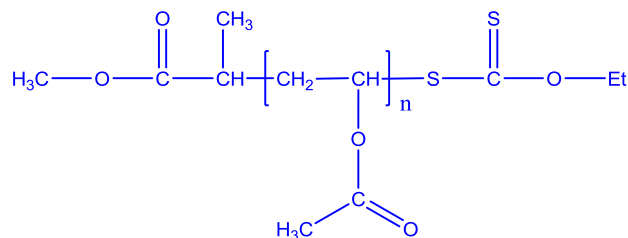


## Sample Name: Poly(Vinyl Acetate)

## SEC of Homopolymer:

### Sample #: P6720-VAc

#### Structure:

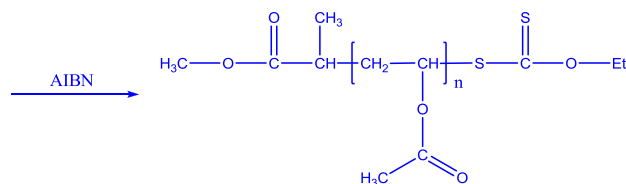
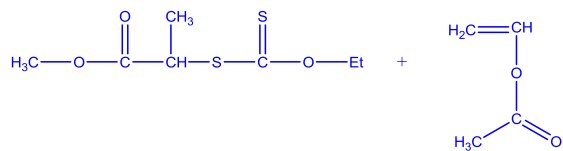


#### Composition:

$M_n \times 10^3$	PDI
3.8	1.19

#### 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.

### **P6720-VAc**

