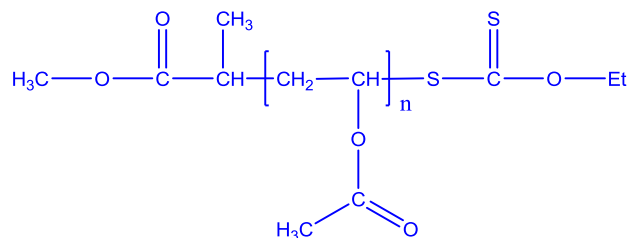


**Sample Name:** Poly(Vinyl Acetate)

**SEC of Homopolymer:**

**Sample #:** P6718-VAc

**Structure:**

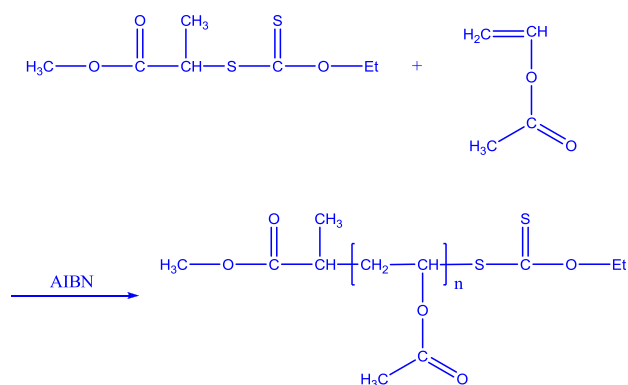


**Composition:**

$M_n \times 10^3$	PDI
10.6	1.69

**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.

**P6718-VAc**

