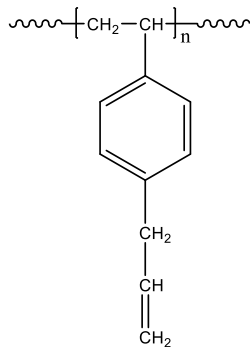


Sample Name: **Poly(4-allyl styrene)**

Sample #: **P42857-4-AllylS**

Structure:



Composition:

$M_n \times 10^3$	PDI
20.5	1.8

Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

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.

Solubility:

Polymer is soluble in DMF, THF, toluene and $CHCl_3$. It precipitates from methanol, ethanol, water and hexanes.

SEC elugram of Homopolymer:

