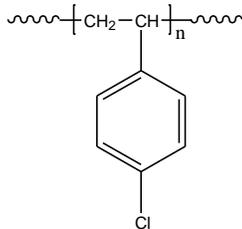


Sample Name: Poly(4-chloro styrene)

Sample #: P43462F1-4CIS

Structure:



Composition:

Mn x 10 <sup>3</sup>	PDI
66.0	1.5

Synthesis Procedure:

Poly(4-chloro styrene) is synthesized by anionic polymerization process.

Additive Phenol-K ;  $\alpha$ -MeS; SecBuLi system

PhenolK/I 5 molar ratio

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC).

Solubility:

Poly(4-chloro styrene) is soluble in DMF, THF, toluene and CHCl<sub>3</sub>. It precipitates from methanol, ethanol, water, and hexanes.

SEC elugram of Homopolymer:

