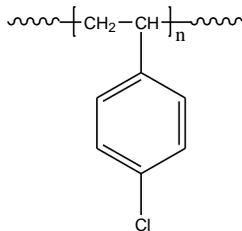


Sample Name: Poly(4-chloro styrene)

Sample #: P43462AA-4CIS

Structure:



Composition:

Mn x 10 ³	PDI
25.0	1.16

Synthesis Procedure:

Poly(4-chloro styrene) is synthesized by anionic polymerization process. Monomer diluted 50:50 by Toluene

Additive tBuO-K ; α -MeS; SecBuLi system

tBuOK/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 CHCl₃. It precipitates from methanol, ethanol, water, and hexanes.

SEC elugram of Homopolymer:

