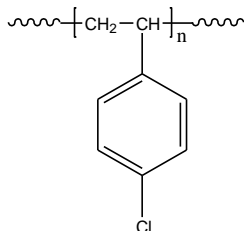


Sample Name: Poly(4-chloro styrene)

Sample #: P43462A-4CIS

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
29.0	3.4

**Synthesis Procedure:**

Poly(4-chloro styrene) is synthesized by anionic polymerization process. Monomer dilution with 30:70 by Toluene

Additive tBuO-K ;  $\alpha$ -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  $\text{CHCl}_3$ . It precipitates from methanol, ethanol, water, and hexanes.

**SEC elugram of Homopolymer:**

