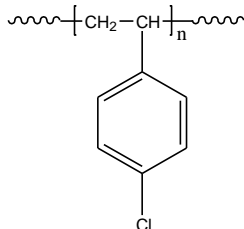


Sample Name: Poly(4-chloro styrene)

Sample #: P43462-4CIS

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
34.0	2.3

**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  $CHCl_3$ . It precipitates from methanol, ethanol, water, and hexanes.

**SEC elugram of Homopolymer:**

