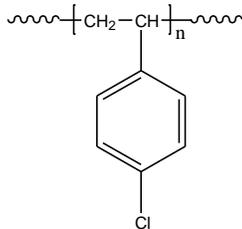


Sample Name: Poly(4-chloro styrene)

Sample #: P43462-4CIS

Structure:



Composition:

Mn x 10 ³	PDI
34.0	2.3

Synthesis Procedure:

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

Additive Phenol-K ; α -MeS; SecBuLi system

PhenolK/I 5 molar ratio

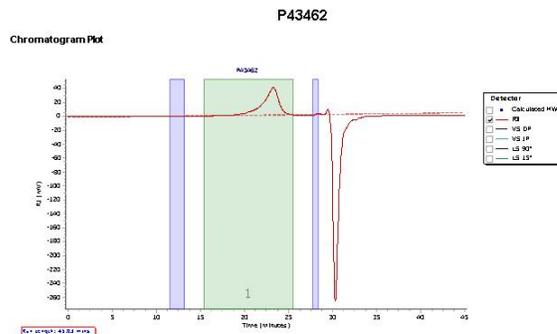
Characterization:

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

SEC elugram of Homopolymer:



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PDI
Peak 1	23331	34143	79262	380748	1010443	305332	2.321