

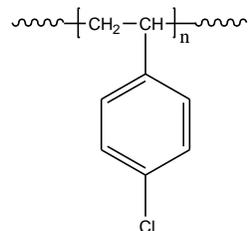
Sample Name: Poly(4-chloro styrene)

SEC of Homopolymer:

P11306-4CIS

Sample #: P11306-4CIS

Structure:



Composition:

$M_n \times 10^3$	PDI
1,500.0	4.0

Synthesis Procedure:

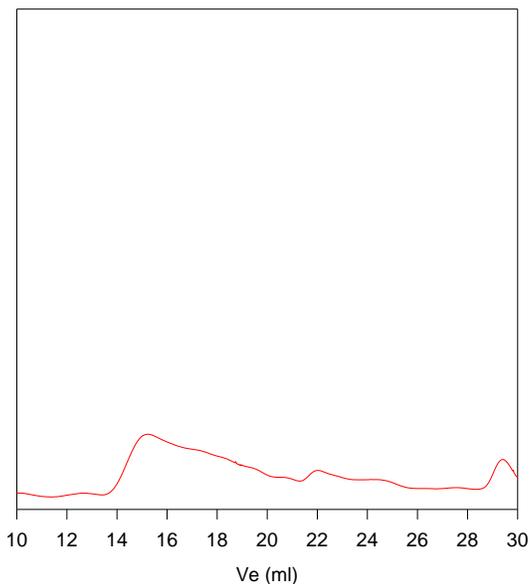
Poly(4-chloro styrene) is synthesized by free radical or anionic polymerization of 4-chloro styrene.

Characterization:

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

Solubility:

Poly(4-chloro styrene) is soluble in DMF, THF, toluene and CHCl_3 . It precipitates from methanol, ethanol, water and hexanes.



Size Exclusion Chromatograph of Poly(4-Chlorostyrene)

$M_n=1,500,000$, $M_w=6,000,000$, $M_w/M_n=4.0$