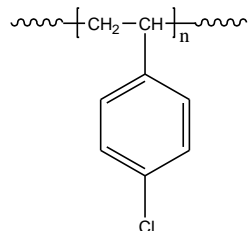


Sample Name: Poly(4-chloro styrene)

Sample #: p6031-4CIS

Structure:

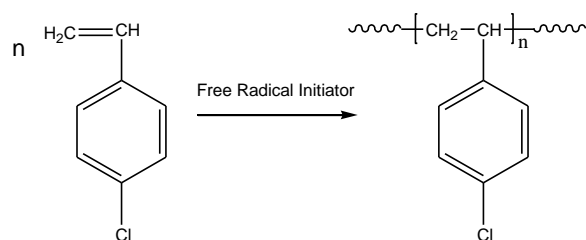


Composition:

Mn x 10 ³	PDI
8.0	1.18

Synthesis Procedure:

Poly(4-chloro styrene) is synthesized by free radical polymerization of 4-chloro styrene and the reaction scheme is shown below.



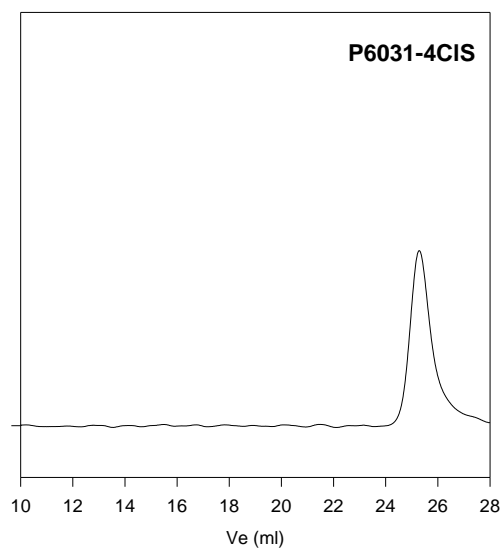
Characterization:

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

SEC of Homopolymer:



Size Exclusion Chromatograph of Poly(4-Chlorostyrene)

M_n=8000, M_w=9400, M_w/M_n=1.18