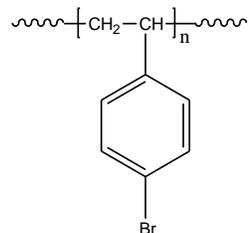


Sample Name: Poly(4-bromo styrene)

Sample #: P6039-4BrS

Structure:

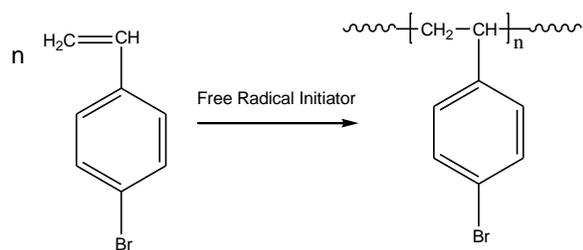


Composition:

$M_n \times 10^3$	PDI
11.7	1.11

Synthesis Procedure:

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



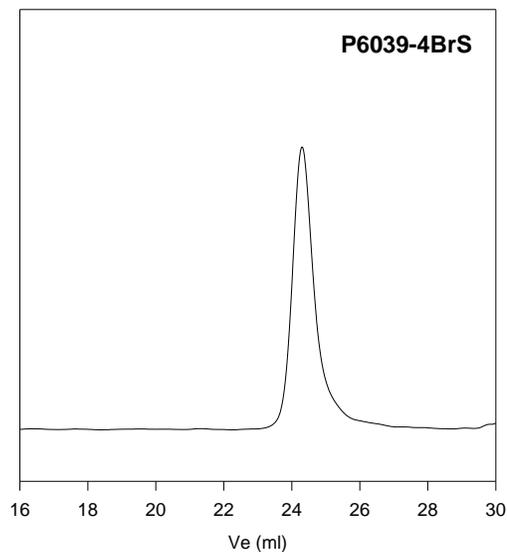
Characterization:

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

Solubility:

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

SEC of Homopolymer:



Size exclusion chromatograph of poly(4-bromo styrene):

$M_n=11700$, $M_w=13000$, $PI=1.11$