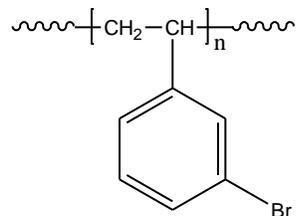


Sample Name: Poly(3-bromo styrene)

SEC of Homopolymer: P6642-3BrS

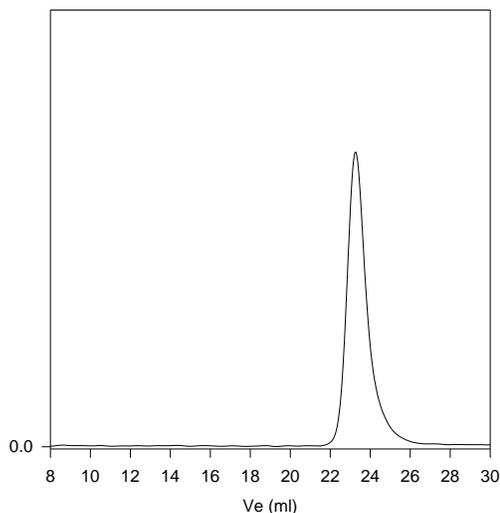
Sample #: P6642-3BrS

Structure:



Composition:

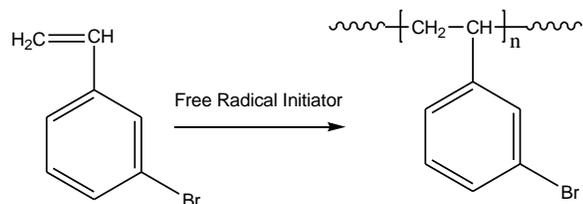
$M_n \times 10^3$	PDI
37.0	1.2



Size Exclusion Chromatogram of poly 3-bromo styrene:
— $M_n=37,000$, $M_w=44,500$, $M_w/M_n=1.2$

Synthesis Procedure:

Poly(3-bromo styrene) is synthesized by control free radical polymerization of 3-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(3-bromo styrene) is soluble in DMF, THF, toluene and $CHCl_3$. It precipitates from methanol, ethanol, water and hexanes.