

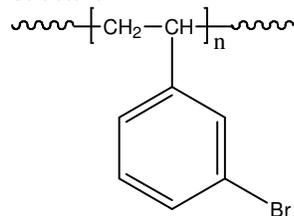
Sample Name: Poly(3-bromo styrene)

SEC of Homopolymer:

P5513-3BrS

Sample #: P5513-3BrS

Structure:

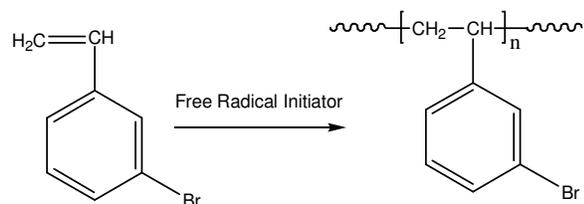


Composition:

$M_n \times 10^3$	PDI
16.0	1.5

Synthesis Procedure:

Poly(3-bromo styrene) is synthesized by control free radical polymerization of 3-bromo styrene and the reaction scheme is shown below.

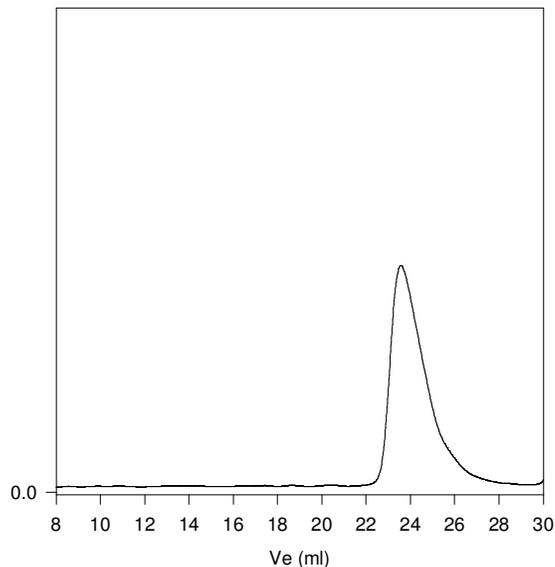


Characterization:

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.



Size Exclusion Chromatogram of poly 3-bromo styrene:

— $M_n=16,000$, $M_w=24,000$, $M_w/M_n=1.5$