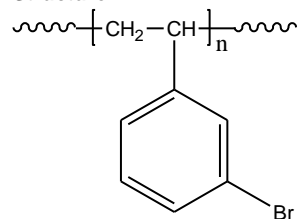


Sample Name: Poly(3-bromo styrene)

Sample #: **p6037-3BrS**

Structure:

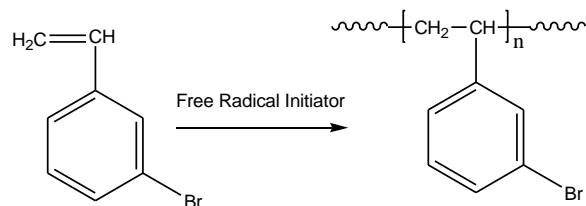


Composition:

$M_n \times 10^3$	PDI
5.9	1.12

Synthesis Procedure:

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



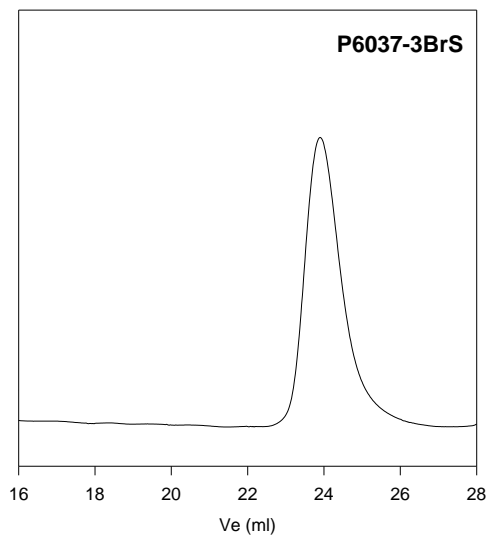
Characterization:

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.

SEC of Homopolymer:



Size exclusion chromatograph of poly4 bromostyrene:

$M_n=5900$, $M_w=6600$, $PI=1.12$