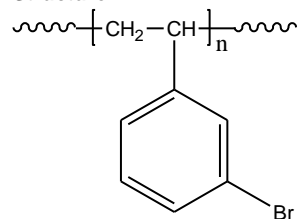


Sample Name: Poly(3-bromo styrene)

Sample #: **p6036-3BrS**

Structure:

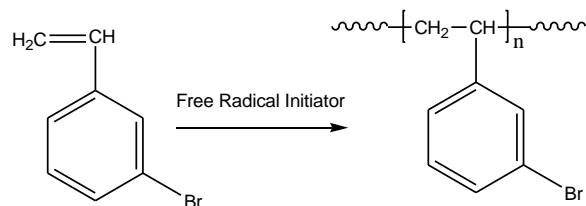


Composition:

Mn x 10 ³	PDI
3.4	1.26

Synthesis Procedure:

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



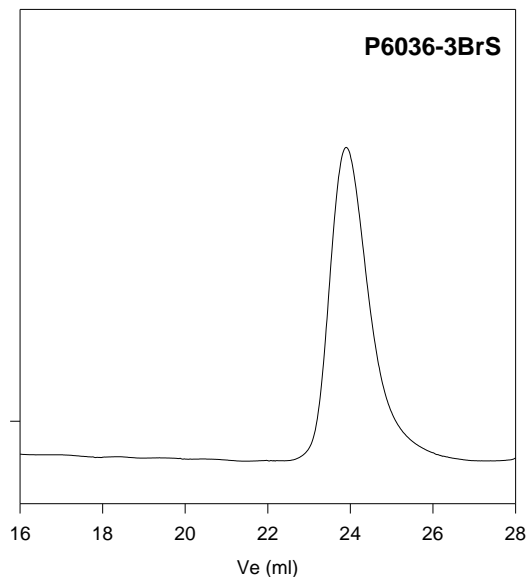
Characterization:

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

SEC of Homopolymer:



Size exclusion chromatograph of poly4 bromostyrene:

M_n=3400, M_w=4300, PI=1.26