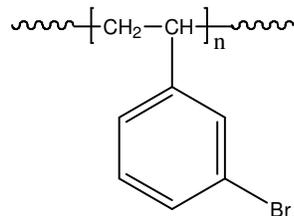


Sample Name: Poly(3-bromo styrene)

Sample #: p1963-3BrS

Structure:

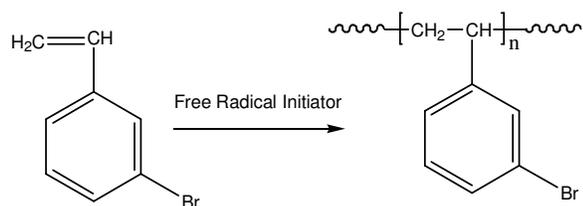


Composition:

| Mn x 10 ³ | PDI |
|----------------------|------|
| 5.2 | 1.24 |

Synthesis Procedure:

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



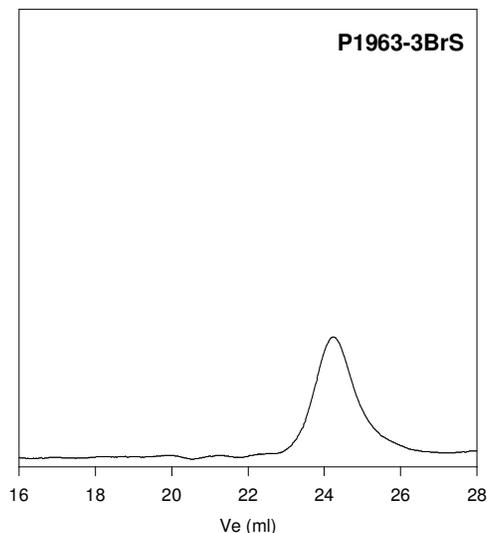
Characterization:

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=5200, M_w=6500, PI=1.24