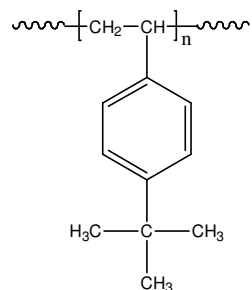


Sample Name: Poly(t-butyl styrene)

Sample #: P2898-4tBuS

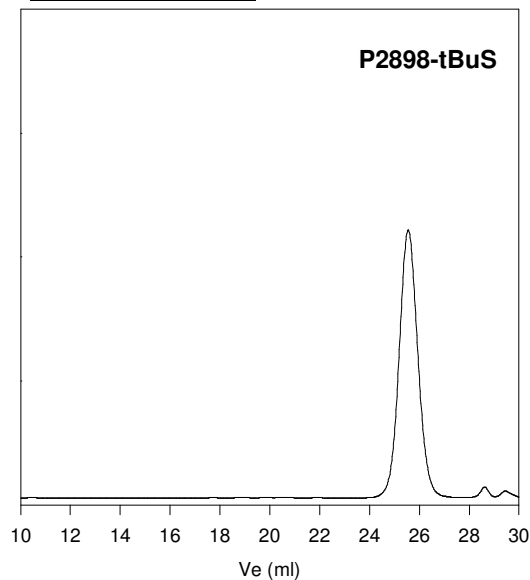
Structure:



Composition:

Mn x 10 ³	PDI
2.2	1.07

SEC of Homopolymer:

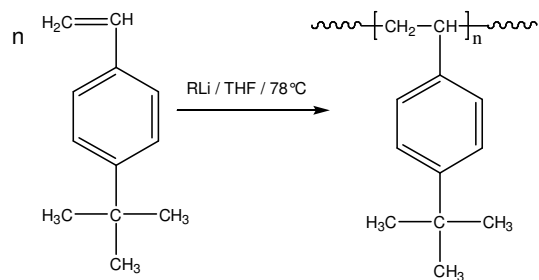


Size exclusion chromatograph of poly(p-tert-butylstyrene):

M_n=2200, M_w=2350, PI=1.07

Synthesis Procedure:

Poly(t-butyl styrene) is synthesized by living anionic polymerization of t-butyl styrene and the reaction scheme is shown below.



Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

Poly(4-t-butyl styrene) is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.