

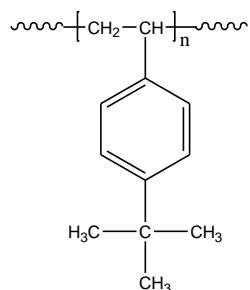
Sample Name: Poly(4-tert-butyl styrene)

SEC of Homopolymer:

P8212-4tBuS

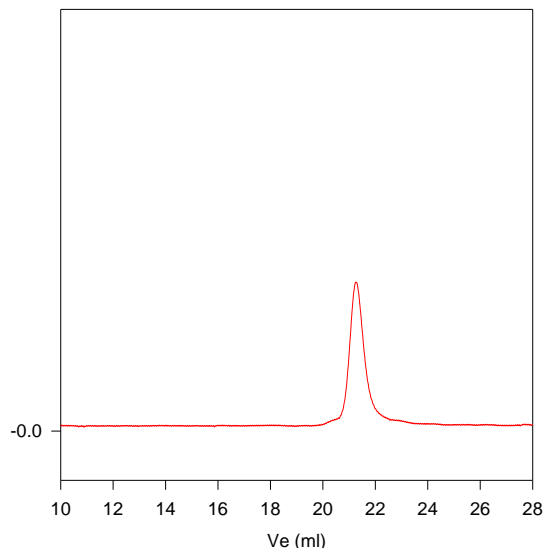
Sample #: P8212-4tBuS

Structure:



Composition:

Mn x 10 ³	PDI
187.0	1.08

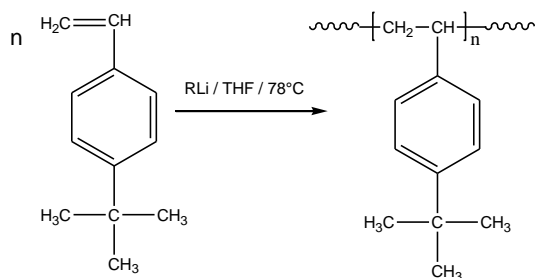


Size exclusion chromatograph of poly(4-tert-butylstyrene):

M_n=187000 M_w=211000 PI=1.08

Synthesis Procedure:

Poly(4-tert-butyl styrene) is synthesized by living anionic polymerization of 4-tert-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-tert-butyl styrene) is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.