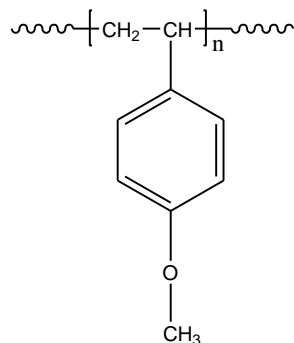


Sample Name: Poly (4-methoxy styrene)

Sample #: P18297D-4MeOS

Structure:

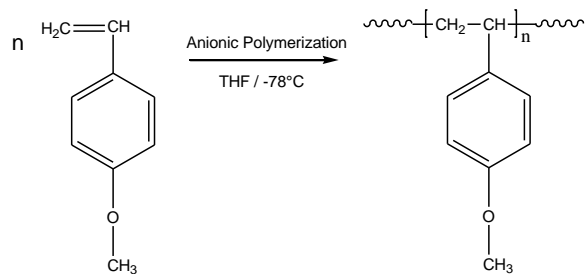


Composition:

$M_n \times 10^3$	PDI
37.5	1.2

Synthesis Procedure:

Poly(4-methoxy styrene) is synthesized by living anionic polymerization of 4-methoxy styrene and the reaction scheme is shown below.



Characterization:

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

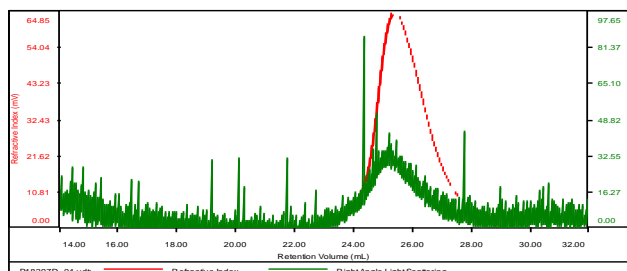
Solubility:

Poly(4-methoxy styrene) is soluble in DMF, THF, toluene and CHCl_3 . It precipitates from methanol, ethanol, water and hexanes.

SEC elugram of Homopolymer:

P18297D

Concentration (mg/mL)	3.3495
Sample dn/dc (mL/g)	0.1850
Method File	PS105K-April16-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	M_n (Da)	M_w (Da)	M_w/M_n	IV (dL/g)	M_p (Da)
P18297D_01.vdt	37,639	44,884	1.192	0.2054	33,725