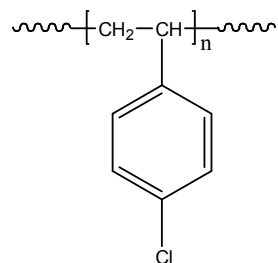


Sample Name: Poly (4-chloro styrene)

Sample #: P20180A-4ClS

Structure:

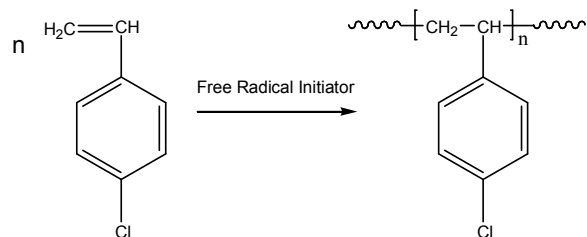


Composition:

$M_n \times 10^3$	PDI
192.0	1.8

Synthesis Procedure:

Poly (4-chloro styrene) is synthesized by free radical polymerization of 4-chloro styrene and the reaction scheme is shown below.



Characterization:

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

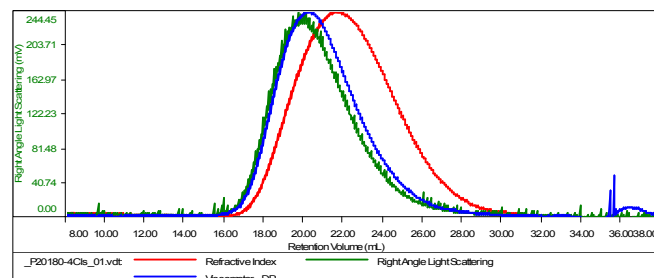
Solubility:

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

SEC of Homopolymer:

Sample ID: P20180A-4ClS

Concentration (mg/mL)	3.5286
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-May20-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
_P20180-4ClS_01.vdt	192,304	354,491	303,349	1.843	1.6336