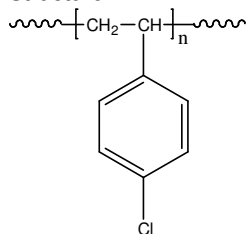


Sample Name: Poly(4-chloro styrene)

Sample #: P20180-4CIS

Structure:

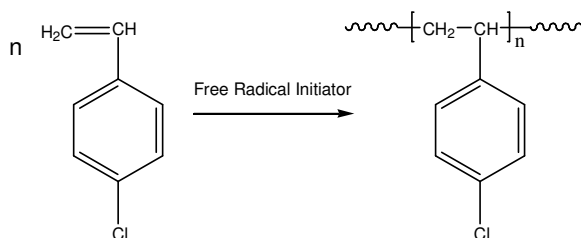


Composition:

Mn x 10 ³	PDI
17.5	3.8

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.

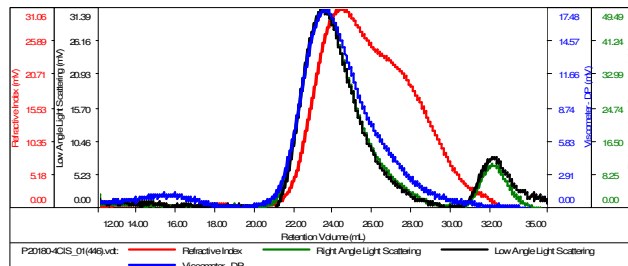
Solubility:

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

SEC of Homopolymer:

Sample ID: P20180

Concentration (mg/mL)	2.4716
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Jan22-2015-0000.vom
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)
P20180-4CIS_01(446).vcl	17,538	67,602	88,742	3.854	0.5548