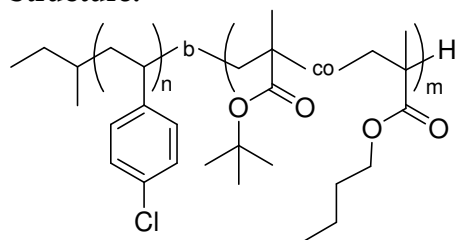


Sample Name: Poly(4-Chlorostyrene-b-tButylmethacrylate-co-n-butylmethacrylate)
Sample #: P20183-4ClStBuMANBuMAran

Structure:



Composition:

Mn $\times 10^3$ 4ClS-b-tBuMA- nBuMAran	Mw/Mn (PDI)
103.5-b-20.0	1.8
tBuMA:nBuMA 5:5	

Synthesis Procedure:

Polymer is prepared by anionic polymerization with sequence addition of styrene followed by mixture of nBuMA and tBuMA monomer in 5:5 ratio

Characterization:

Polymer analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from $^1\text{H-NMR}$ spectroscopy.

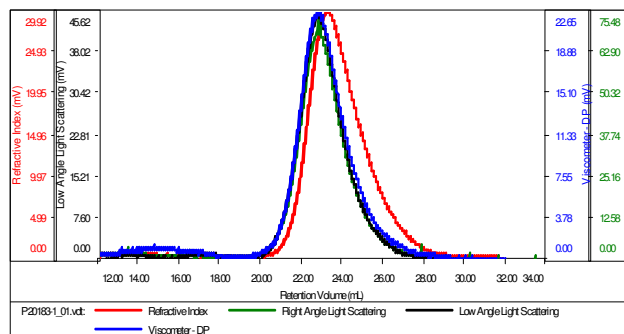
Solubility:

Poly(styrene-b- ϵ -caprolactone) is soluble in THF, Chloroform, DMF, and precipitated in methanol and hexanes.

SEC profile of the block copolymer:

Sample ID: P20183-4CLS

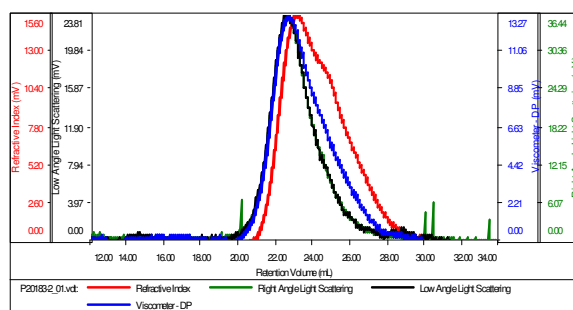
Concentration (mg/mL)	1.3311
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Jan22-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P20183-1_01.vcl	103,633	149,282	159,822	1.440	0.9359

Sample ID: P20183-2

Concentration (mg/mL)	1.5537
Sample dn/dc (mL/g)	0.1000
Method File	PS80K-Jan22-2015-0000.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)
P20183-2_01.vcl	131,155	240,838	300,603	1.836	0.5564