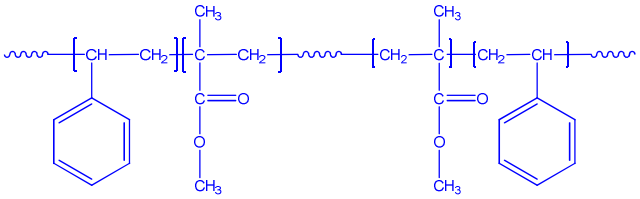
Sample Name:
Poly(styrene-b-methyl methacrylate-b-styrene)

Sample #: **P14508F2-SMMAS**

Structure:

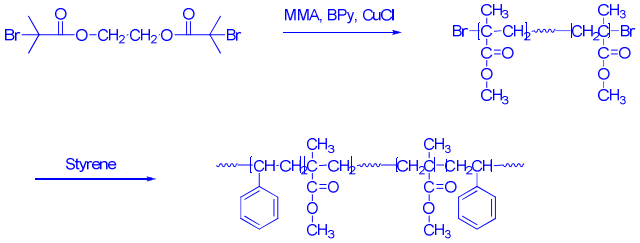


Composition:

Mn x 10^3 **(S-b-MMA-S)**	PDI
68.0-b-9.6-b-68.0	1.54

Synthesis Procedure:

Poly(styrene-b-methyl methacrylate-b-styrene) is prepared by ATRP using difunctional initiator. The scheme of the reaction is illustrated below:



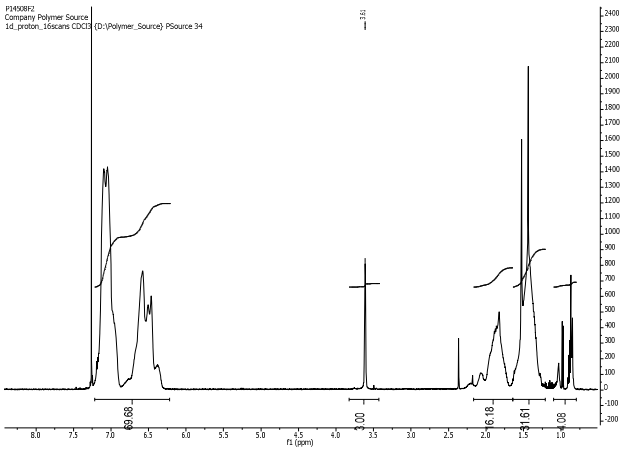
Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

Polymer is soluble in THF, toluene and $CHCl_3$. It precipitates from methanol, ethanol, water and hexanes.

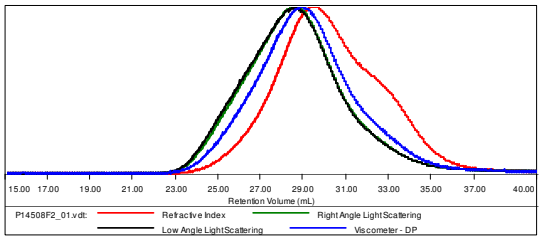
Proton NMR of Sample:



SEC of Sample:

Sample ID: P14508F2-SMMAS

Concentration (mg/mL)	4.1693
Sample dn/dc (mL/g)	0.1700
Method File	PS80K-May-2013-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14508F2_01.vdt	144,882	222,606	202,715	1.536	1.5263