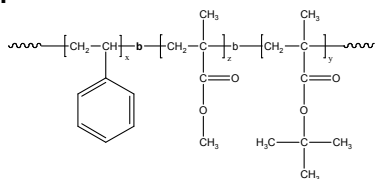


Sample Name:

**Poly(styrene-*b*-methylmethacrylate-*b*-
tert.butylmethacrylate)**

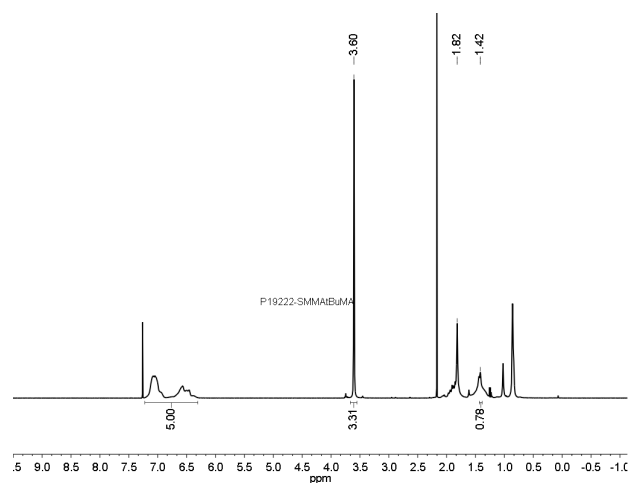
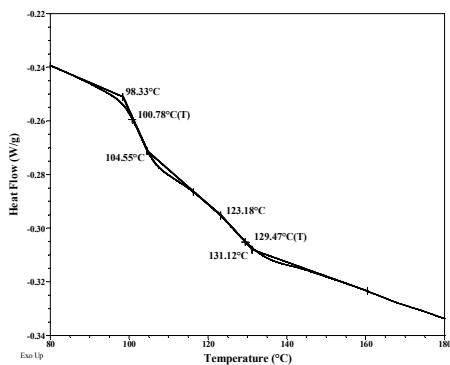
Sample # P19227-SMMAtBuMA

Structure:**Composition:**

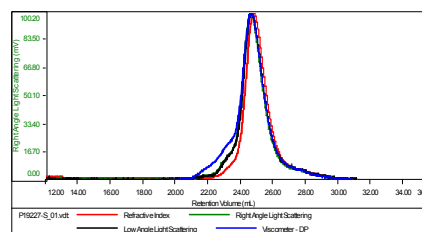
Mn x 10 ³	PDI
S- <i>b</i> -MMA- <i>b</i> -tBuMA	
48.5- <i>b</i> -90.0- <i>b</i> -13.0	1.10
T _g of MMA block:	129°C
T _g of PS block:	101°C

Synthesis:

The polymer was synthesized by living anionic polymerization with sequence addition of styrene, methyl methacrylate, and tert-butylmethacrylate.

¹H NMR (500 MHz, CDCl₃) of the polymer:**DSC thermogram for PS and MMA blocks:****SEC elugrams (PS, PS-PMMA, PS-PMMA-PtBuMA):****Sample IDP19227-S**

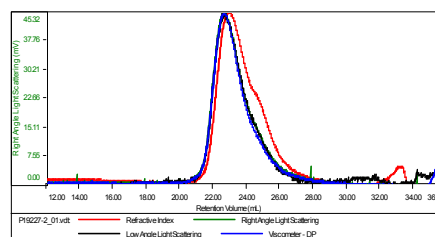
Concentration (mg/mL)	1.9838
Sample chid: (nL/g)	0.1850
Method File	PS80K/April 13 2015 0000.vcm
Column Set	3xPL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19227-S_01.vt	48,528	51,338	48,182	1.058	0.8497

Sample IDP19227-SMMA

Concentration (mg/mL)	0.9548
Sample chid: (nL/g)	0.1300
Method File	PS80K/April 13 2015 0000.vcm
Column Set	3xPL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19227-2_01.vt	130,713	142,837	151,614	1.093	1.3545