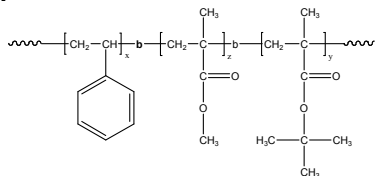


**Sample Name:**

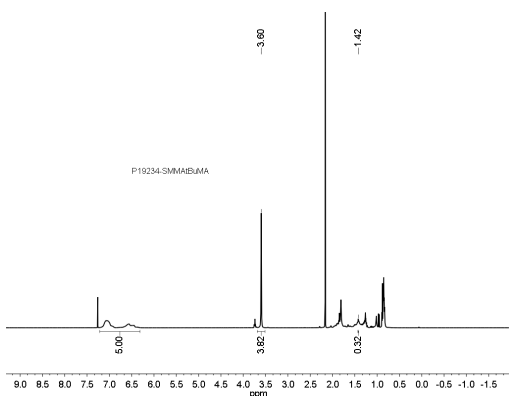
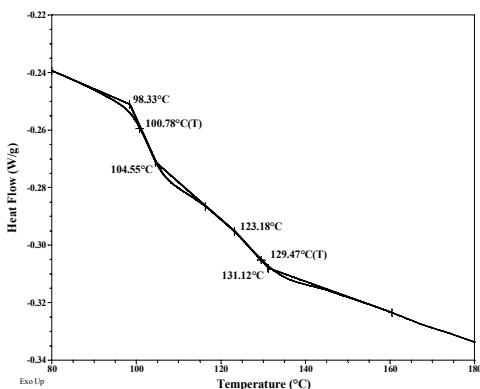
**Poly (styrene-*b*-methylmethacrylate-*b*-tert.butylmethacrylate)**

**Sample # P19234-SMMAtBuMA****Structure:****Composition:**

Mn x 10 <sup>3</sup>	PDI
S- <i>b</i> -MMA- <i>b</i> -tBuMA	
29.0- <i>b</i> -36.5- <i>b</i> -1.5	1.22
T <sub>g</sub> of MMA block:	129°C
T <sub>g</sub> of PS block:	101°C

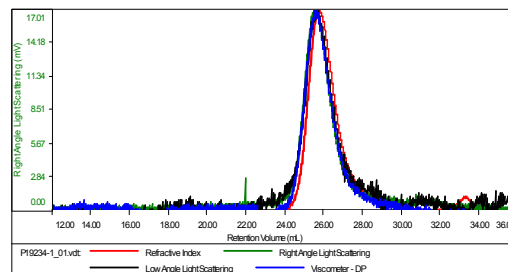
**Synthesis:**

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

**<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) of the polymer:****DSC thermogram for PS and MMA blocks:****SEC elugrams (PS, PS-PMMA, PS-PMMA-PtBuMA):**

**Sample ID:P19234-S**

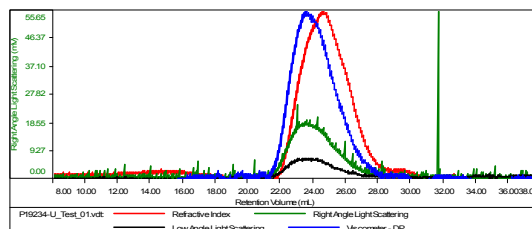
Concentration (mg/mL)	0.5861
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-April13-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19234-1_01.vdt	29,159	31,817	30,304	1.091	0.5504

**Sample ID:P19234-SMMA**

Concentration (mg/mL)	0.3581
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-April29-2015-0000.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)
P19234-U_Test_01.vdt	66,694	81,536	66,197	1.223	1.8604