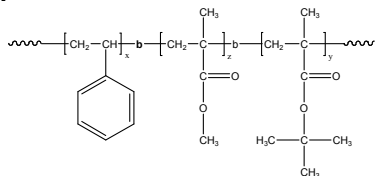


**Sample Name:**

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

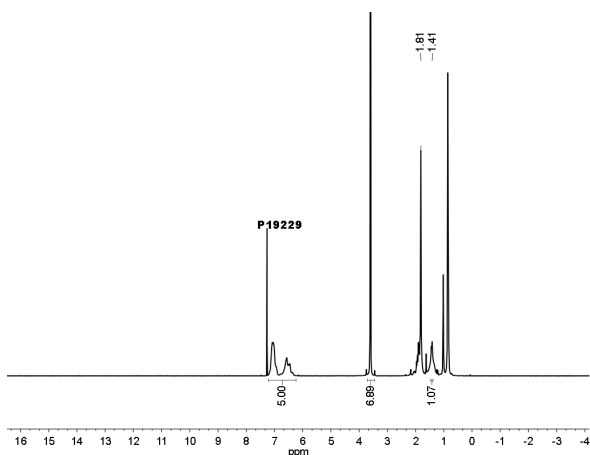
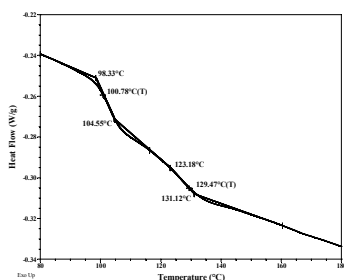
**Sample # P19229-SMMA*t*BuMA****Structure:****Composition:**

Mn x 10 <sup>3</sup>	PDI
S- <i>b</i> -MMA- <i>b</i> - <i>t</i> BuMA	
66.0- <i>b</i> -145.0- <i>b</i> -8.0	1.15

T <sub>g</sub> of MMA block:	129°C
T <sub>g</sub> of PS block:	101°C

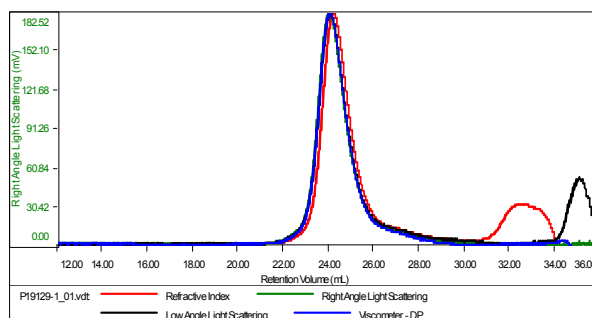
**Synthesis:**

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-P*t*BuMA):**

Sample ID:P19229-S

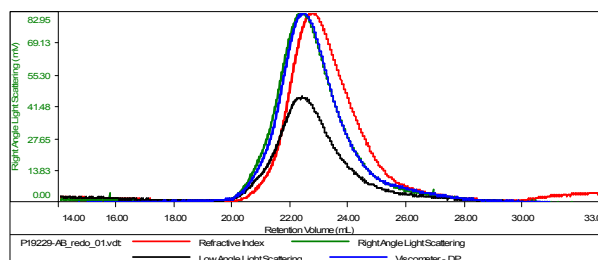
Concentration (mg/mL)	2.7552
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-April13-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19129-1_01.vdt	65,603	68,786	65,618	1.049	0.8954

Sample ID:P19229-SMMA*t*BuMA

Concentration (mg/mL)	1.1959
Sample dn/dc (mL/g)	0.1100
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)
P19229-AB_redo_01.vdt	211,548	242,375	234,959	1.146	1.9216