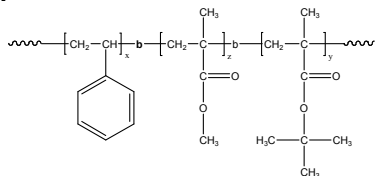


Sample Name:

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

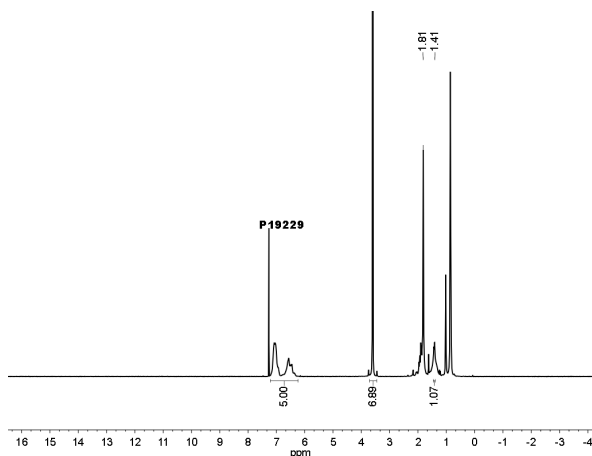
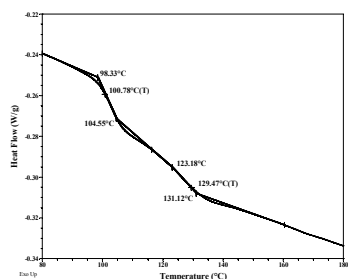
Sample # P19229A-SMMAAtBuMA**Structure:****Composition:**

Mn x 10 ³	PDI
S- <i>b</i> -MMA- <i>b</i> -tBuMA	
66.0- <i>b</i> -150.0- <i>b</i> -10	1.16

T _g of MMA block:	129°C
T _g of PS block:	101°C

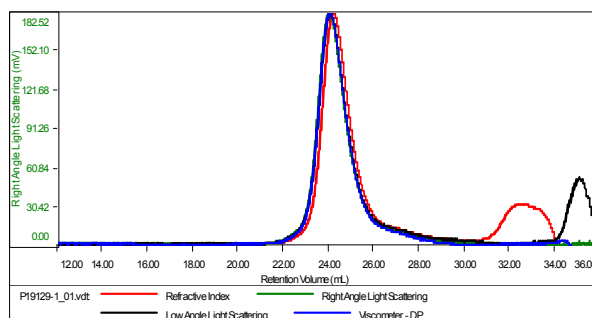
Synthesis:

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 ID:P19229-S

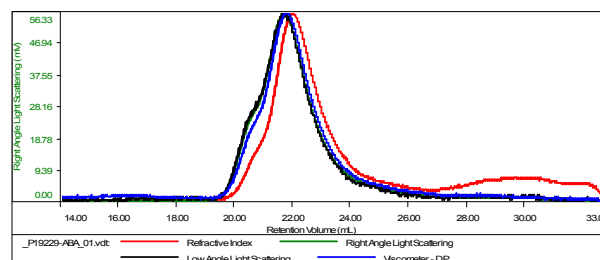
Concentration (mg/mL)	2.7552
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-April13-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



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:P19229A-SMMAAtBuMA

Concentration (mg/mL)	0.5794
Sample dn/dc (mL/g)	0.1250
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-ABA_01.vdt	216,187	250,934	231,072	1.161	2.6147