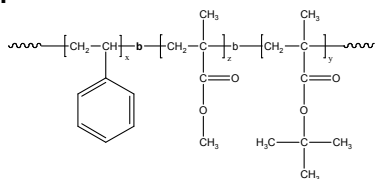


Sample Name:

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

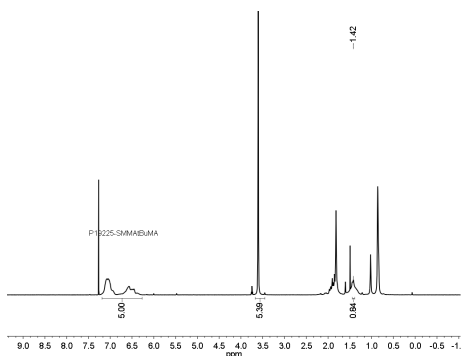
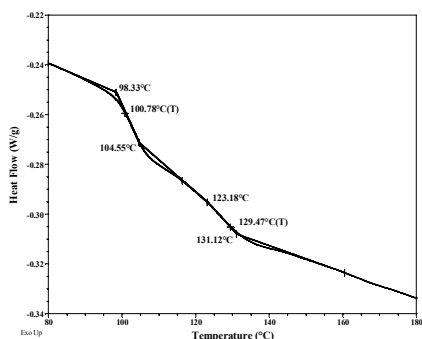
Sample # P19225-SMMA**tBuMA**

Structure:**Composition:**

Mn x 10 ³	PDI
S- <i>b</i> -MMA- <i>b</i> -tBuMA	
40.5- <i>b</i> -72.0- <i>b</i> -5.0	1.11
T _g of MMA block:	129°C
T _g of PS block:	101°C

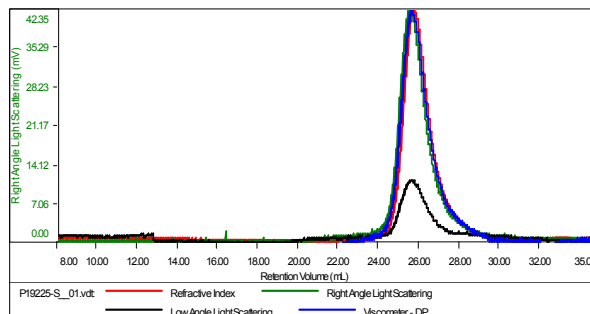
Synthesis:

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:P19225-1

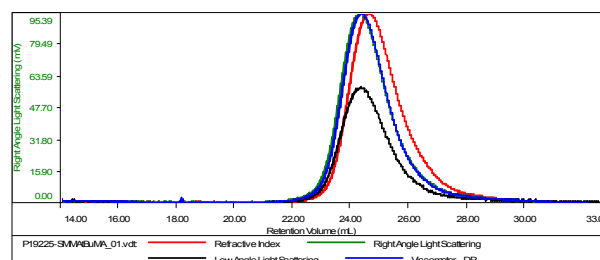
Concentration (mg/mL)	3.8114
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-March6-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19225-S_01.vdt	40,397	44,721	40,019	1.107	0.1859

Sample ID:P19225-SMMA**tBuMA**

Concentration (mg/mL)	1.9220
Sample dn/dc (mL/g)	0.1170
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)
P19225-SMMA tBuMA_01.vdt	113,158	126,199	123,858	1.115	1.4115