

Poly(methyl methacrylate-*b*-*t*-butyl acrylate)

SEC of the block copolymer:

$$\left[\text{CH}_2 - \underset{\begin{array}{c} \text{C}=\text{O} \\ | \\ \text{O} \\ | \\ \text{CH}_3 \end{array}}{\overset{\text{CH}_3}{\text{C}}} \right]_n \text{ } \mathbf{b} \text{ } \left[\text{CH}_2 - \underset{\begin{array}{c} \text{C}=\text{O} \\ | \\ \text{O} \\ | \\ \text{C}(\text{CH}_3)_3 \end{array}}{\text{CH}} \right]_m$$

Mn x 10 ³ PMMA-b-PtBuMA	PDI
50.0-b-9.5	1.13

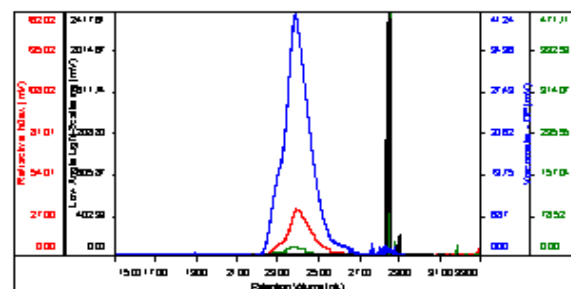
MMA block	110°C
t-BuA block	41°C

Poly(methyl methacrylate-*b*-*t*-butyl acrylate) is prepared by living anionic polymerization.

By size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from ^1H -NMR spectroscopy.

Thermal analysis Thermal analysis of the sample was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

Concentration(mg/mL)	1.622
Sample chids (m L/g)	0.050
Method file	PSS014-010-13-2014-0000.uem
Column Set	3x P L 1113-6300
System	System 1



Sample	M1	M2	M3	Mw/Mn	IV
P 1862240001B 1A_01.pdf	59,327	66,623	60,962	1.123	0.9757

