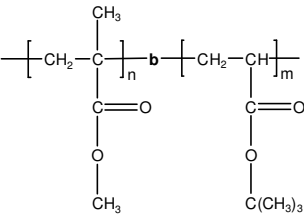


Sample Name:
Poly(methyl methacrylate-b-t-butyl acrylate)

Sample #: P18623-MMAAtBuA

Structure:



Composition:

Mn x 10 ³	PDI
PMMA-b-PtBuMA	
34.0-b-6.0	1.08

Glass transition temperature at a glance

MMA block	110°C
t-BuA block	41°C

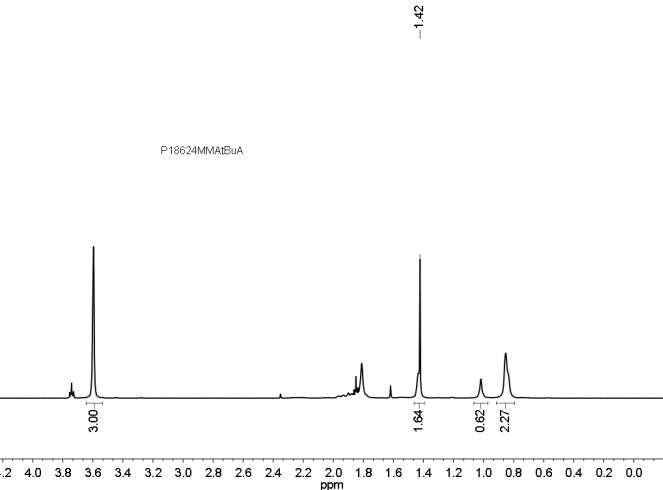
Synthesis Procedure:

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

Characterization:

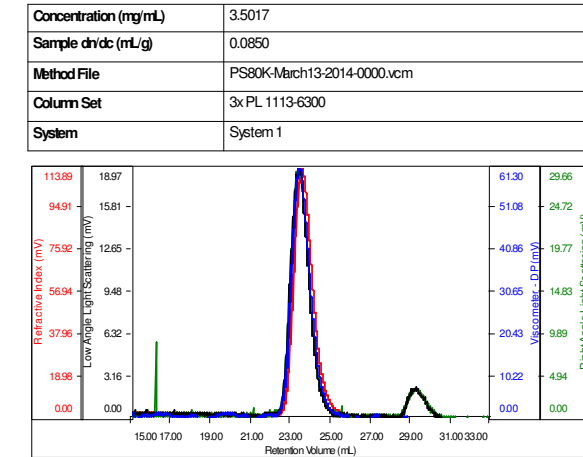
By size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from ¹H-NMR spectroscopy.

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.



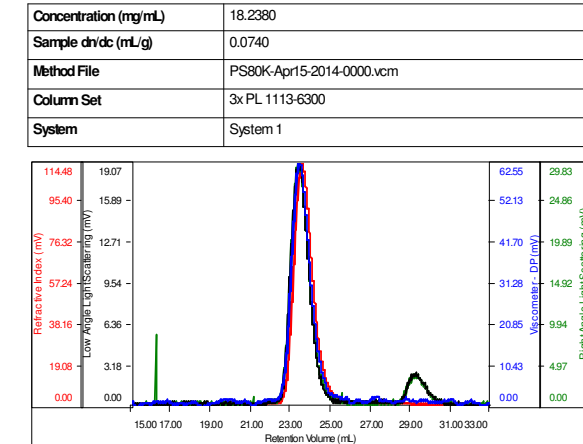
SEC of the block copolymer:

Sample ID: P18623-MMAAtBuA



Sample	Mn	Mw	Mp	Mw/Mn	IV
_P18623-MMAAtBuA_01.vdt	34,032	36,324	36,273	1.067	0.3652

Sample ID: P18623-MMAAtBuA



Sample	Mn	Mw	Mp	Mw/Mn	IV
_P18623-MMAAtBuA_01.vdt	40,086	43,442	44,104	1.084	0.0761