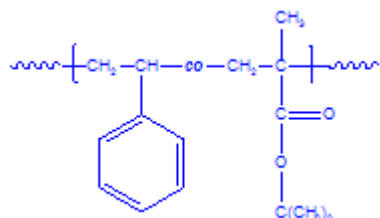


Sample Name:

Random Copolymer Poly(styrene-co-t-butyl methacrylate)

Sample #: **P14773C-StBuMAran**

Structure:



Composition:

Mn x 10 ³ PS-co-PtBuMA	PDI
78.0	1.28
PS: PtBuMA (mol ratio)	94:6
Tg (oC)	104.1

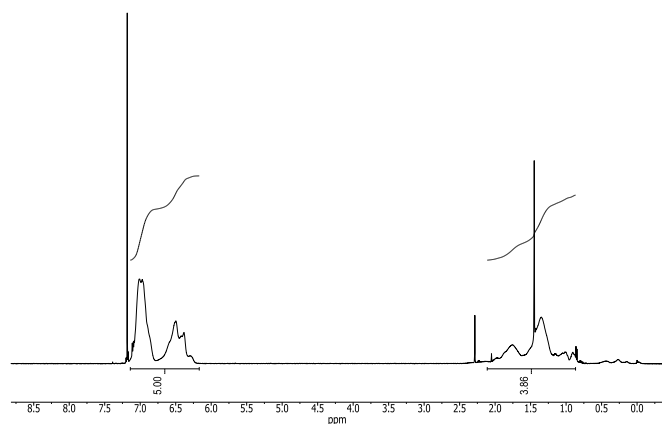
Synthesis Procedure:

Random Copolymer poly(styrene-co-t-butyl methacrylate) is prepared by control radical polymerization of styrene and t-butyl methacrylate.

Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H-NMR spectroscopy.

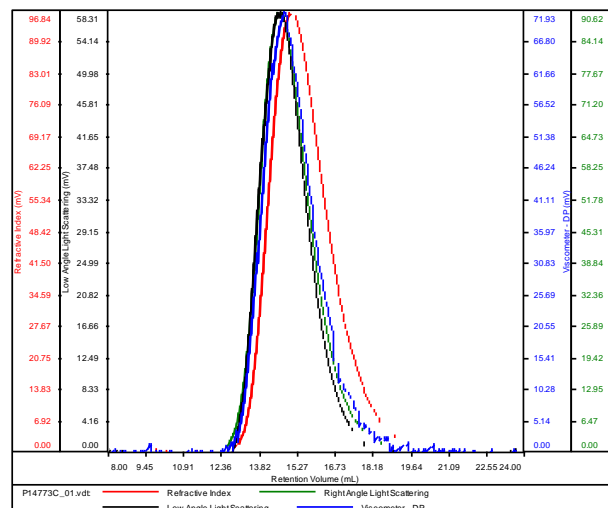
¹H-NMR Spectrum of the random copolymer:



SEC of the random copolymer:

P14773C

Conc	6.6260
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2018-01-24-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14773C_01.vdt	78,103	99,995	100,420	1.280	0.2929

DSC curve of the random copolymer:

