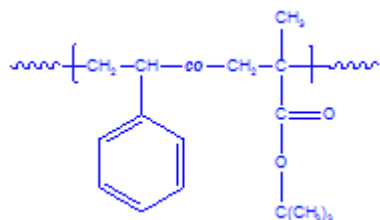


Sample Name:

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

Sample #: **P14773A-StBuMAran**

Structure:



Composition:

Mn x 10 ³ PS-co-PtBuMA	PDI
204.0	1.2
PS: PtBuMA (mol ratio)	95:5
Tg (°C)	100.9

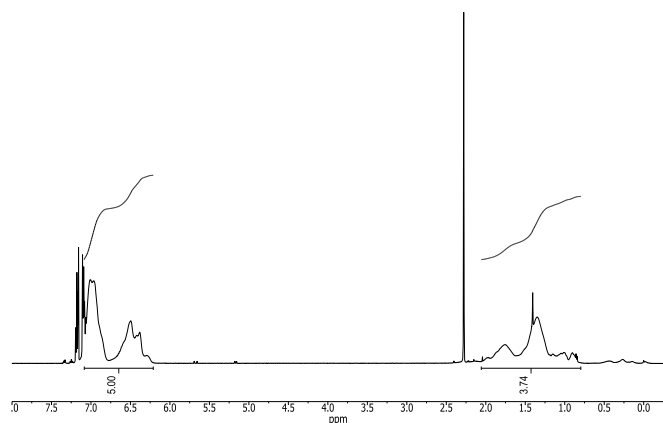
Synthesis Procedure:

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.

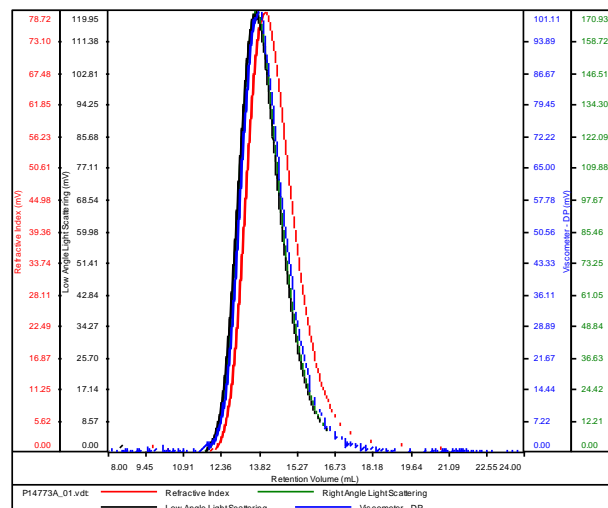
¹H-NMR Spectrum of the random copolymer:



SEC of the random copolymer:

P14773A

Conc	4.4440
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
P14773A_01.vdt	203,964	244,608	245,888	1.199	0.5260

DSC curve of the random copolymer:

