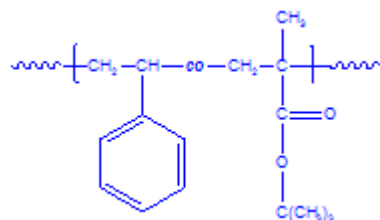


Sample Name:
Random Copolymer Poly(styrene-co-t-butyl methacrylate)

Sample #: **P14773B-StBuMAran**

Structure:



Composition:

Mn x 10 ³ PS-co-PtBuMA	PDI
109.5	1.37
PS: PtBuMA (mol ratio)	95:5
Tg (oC)	101.5

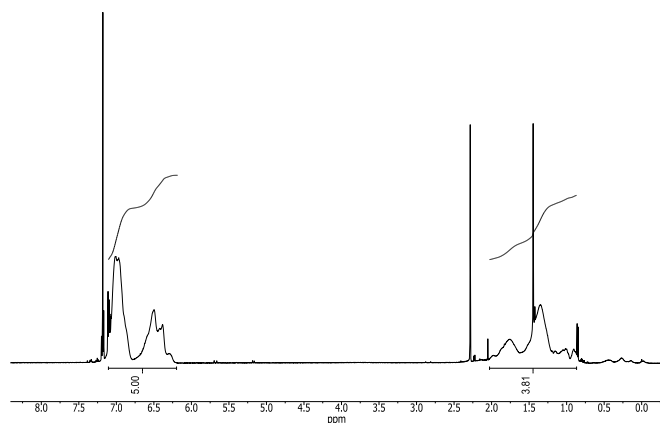
Synthesis Procedure:

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.

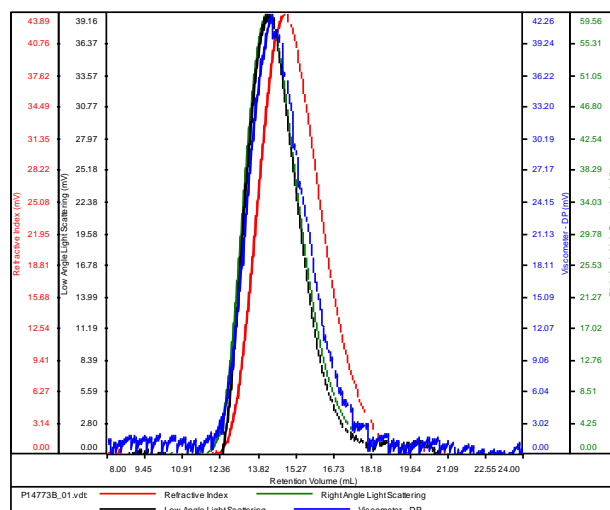
¹H-NMR Spectrum of the random copolymer:



SEC of the random copolymer:

P14773B

Conc	3.2138
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
P14773B_01.vdt	109,448	149,618	137,711	1.367	0.3979

DSC curve of the random copolymer:

Sample: P14773-B_StBuMAran
 Size: 8.6000 mg

File: P14773-B_StBuMAran.001

