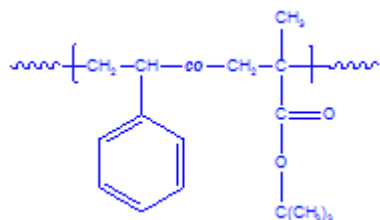


Sample Name:

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

Sample #: **P14773D-StBuMAran**

Structure:



Composition:

Mn x 10 ³ PS-co-PtBuMA	PDI
59.5	1.17
PS: PtBuMA (mol ratio)	92:8
Tg (°C)	103.8

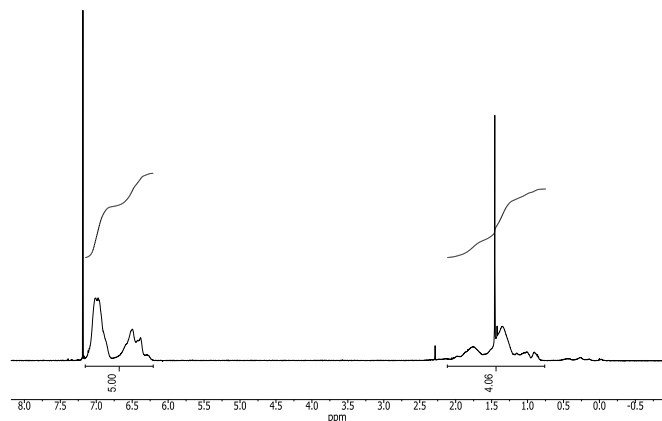
Synthesis Procedure:

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.

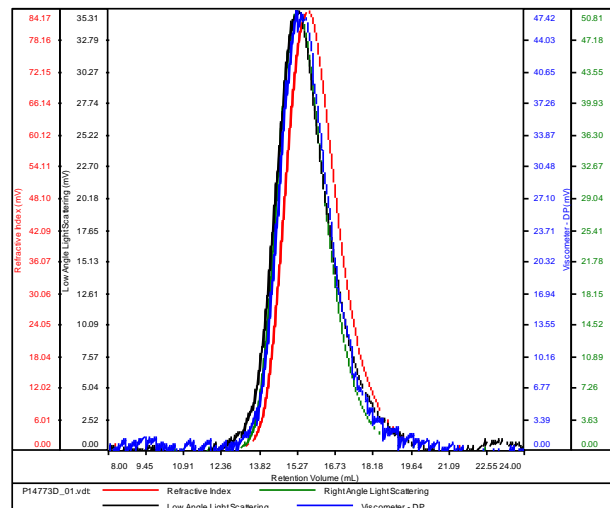
¹H-NMR Spectrum of the random copolymer:



SEC of the random copolymer:

P14773D

Conc	5.2579
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
P14773D_01.vdt	59,552	69,681	67,932	1.170	0.2424

DSC curve of the random copolymer:

