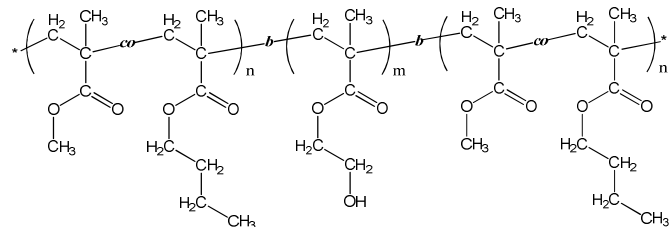


Sample Name: Poly(methyl methacrylate-*co*_{random}-n-butyl methacrylate)-*b*-poly(2-hydroxyethyl methacrylate)-*b*-poly(methyl methacrylate-*co*_{random}-n-butyl methacrylate)

Sample # P19538-MMA_nBuMA_ran-b-HEMA-b-MMA_nBuMA_ran

Structure:



Composition:

Mn × 10 ³	PDI
MMA _n BuMA _r an-b-HEMATMS-b-MMA _n BuMA _r an 15.0-b-40.0-b-15.0	1.3
MMA _n BuMA _r an-b-HEMA-b-MMA _n BuMA _r an 15.0-b-26.0-b-15.0	

MMA:nBuMA (mol %)	64 : 36
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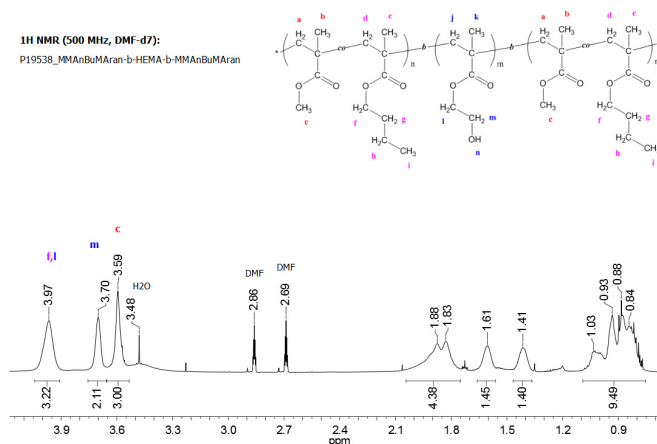
Synthesis Procedure:

The polymer was synthesized by anionic process using bifunctional initiator. HEMATMS block was synthesized first, followed by adding mixture of MMA and nBuMA monomers.

Characterization:

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

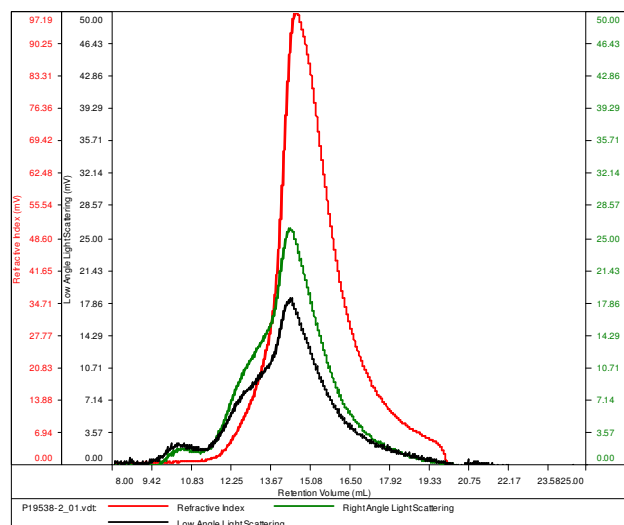
¹H-NMR of the triblock copolymer:



SEC of the triblock copolymer:

P19538-MMA_nBuMA_ran HEMATMS-MMA_nBuMA

Conc (mg/mL)	13.8841
dn/dc (mL/g)	0.0650
Method	ps80k:21Jan2016-DMF-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19538-2_01.vdt	71,197	94,221	77,169	1.323	0.2554