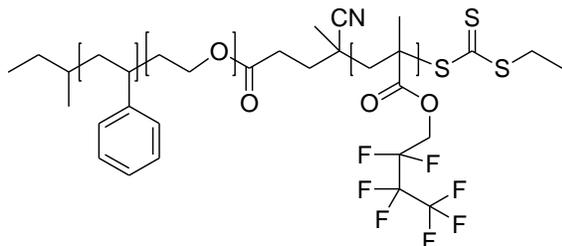


Sample Name: Poly(styrene)-b-poly(ethylene oxide)-b-poly(2,2,3,3,4,4,4-heptafluorobutyl methacrylate)

Sample #: P41507-SEOHFBMA

Structure:



Composition:

Mn x 10 ³	PDI
PS t -b-PEO-b-PHF BMA	1.06
9.0-b-10.0-b-12.0	1.06

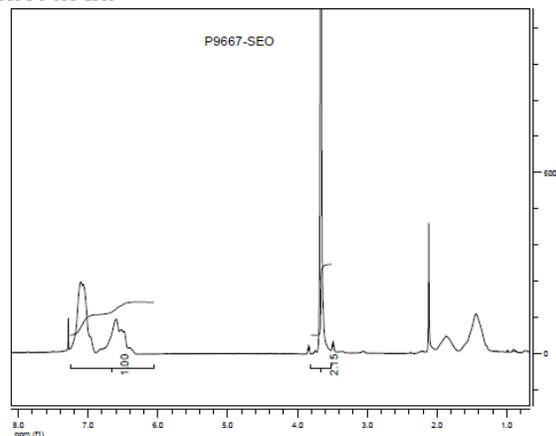
Synthesis Procedure:

The polymer was prepared by RAFT polymerization process.

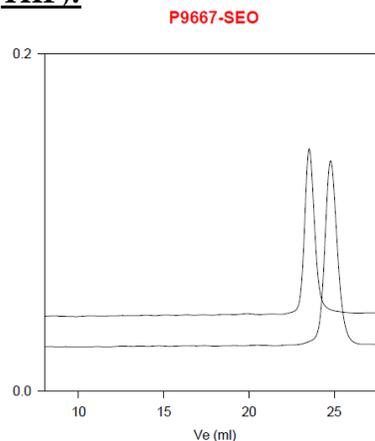
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR. Molecular weight of the final product was determined from ¹H-NMR.

¹H NMR spectrum of the SEO diblock precursor:

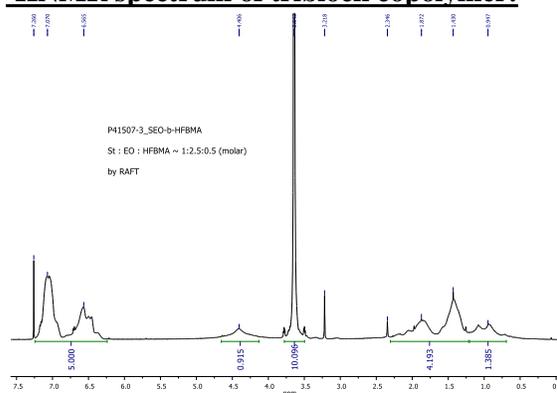


SEC elugram of SEO diblock precursor (in THF):

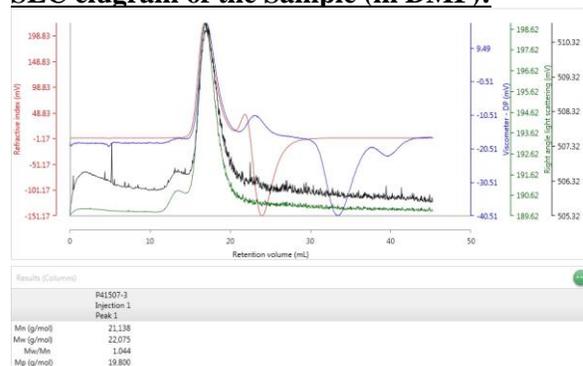


Size Exclusion Chromatography:
 — Polystyrene, M_n=9,000, M_w=9,500, PI=1.05
 — Block Copolymer Polystyrene-b-Poly(ethylene oxide)
 M_w: PS(9,000)-b-PEO(10,000), PI=1.07

¹H NMR spectrum of triblock copolymer:



SEC elugram of the Sample (in DMF):



Results (Column)	
P41507-3	Injection 1
Peak 1	
Mn (g/mol)	21,138
Mw (g/mol)	22,075
Mw/Mn	1.044
Mp (g/mol)	19,800

