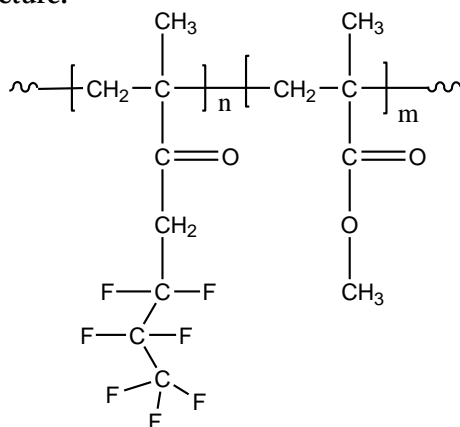


Sample Name:

Poly(2,2,3,3,4,4,4-heptafluorobutyl methacrylate)-b-MMA

Sample #: P20200-7FBuMAMMA

(By RAFT process)

Structure:**Composition:**

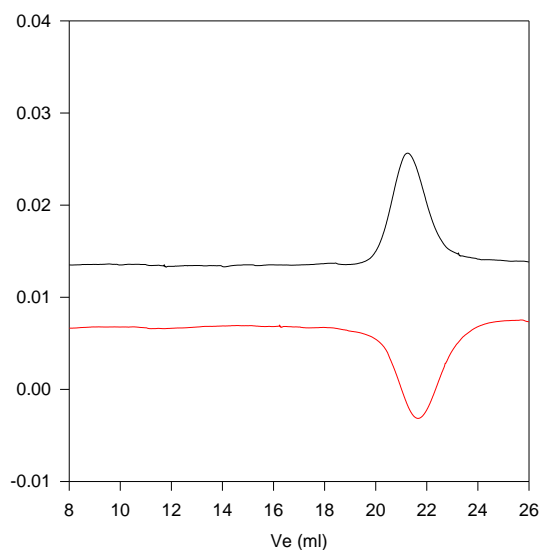
Mn x 10 ³	PDI
18.0-b-20.0	1.3
Microstructure	S:h:I 42:44:14

Synthesis Procedure:

Polymer can be obtained by RAFT, GTP or anionic polymerization process.

Characterization:

The molecular weight and polydispersity index (PDI) of Poly(2,2,3,3,4,4,4-heptafluorobutyl methacrylate) are obtained by size exclusion chromatography. The product is a low refractive index product. Elution in THF at 35 °C gives negative response.

SEC of Homopolymer:**P20200-7FBuMA-MMA**

Size Exclusion Chromatography of the polymer:

 $M_n = 18,000$, $M_w = 25,000$, $PI = 1.4$

Block :

7FBuMA-b-MMA $M_n : 18,000$ -b- $20,000$ M_w/M_n 1.3 M_n calculated from HNMR analysis