

Sample Name: Poly(oxy methylene)

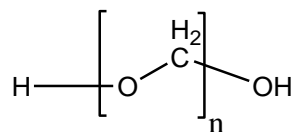
unstabilized End Group

SEC of the polymer:

Sample #: P40450D-POM

P40450D-POM

Structure:



Composition:

Mn x 10 ³	PDI
5.0	1.6

Synthesis Procedure:

The polymerization scheme is as below:



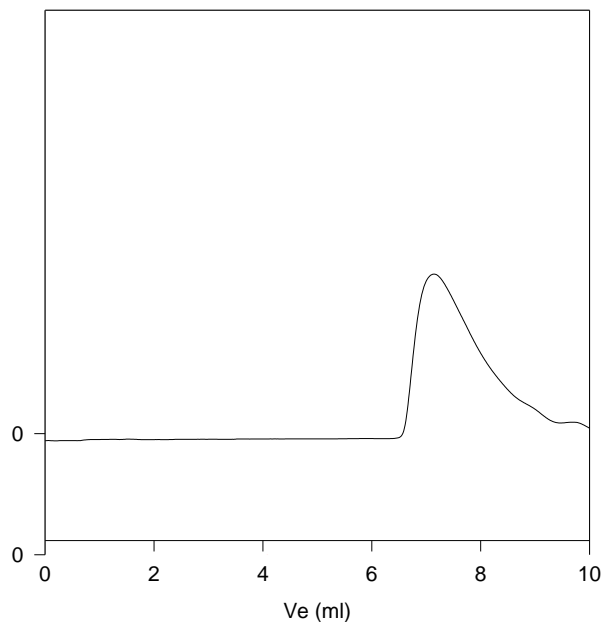
Characterization:

Size exclusion chromatography (SEC): Varian liquid chromatograph equipped with UV and refractive, or a Viscotek TriSEC detector. Two sets of columns were used obtained from PSS-PFG 100 Ao column and RI detector. Calibration was achieved with PMMA (ref-Macromolecules, 2013, 46, 8845-8852).

Eluent was hexafluoroisopropanol at 35 °C.

Solubility:

The polymer is soluble in Hexafluoroisopropanol at 35 °C and in DMSO at 150 °C.



Size exclusion chromatograph of polymer:

M_n=5,000, M_w=8,000, PI=1.6