

Sample Name: **Poly(oxy methylene)**
unstabilized End Group

Sample #: **P40450A-POM**

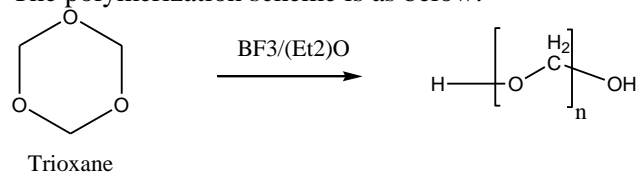
Structure:

Composition:

Mn x 10 ³	PDI
20.0	1.13

Synthesis Procedure:

The polymerization scheme is as below:



Characterization:

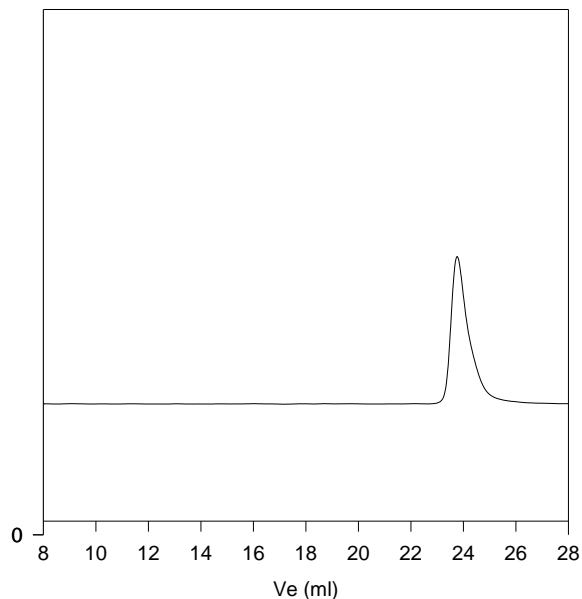
Size exclusion chromatography (SEC): Varian liquid chromatography equipped with UV and refractive, or a Viscotek TriSEC detector. Two sets of columns were used obtained from PSS-PFG 100 Ao column and RI detector. Calibration was achieved with PMMA (ref-Macromolecules, 2013, 46, 8845-8852). Eluent was hexafluoroisopropanol at 35 °C.

Solubility:

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

SEC of the polymer:

P40450A-POM



Size exclusion chromatograph of polymer:

$M_n=20,000$, $M_w=22,500$, $PI=1.13$