

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

**Sample #:** P40450A-POM

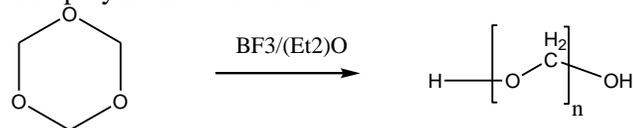
**Structure:**

**Composition:**

Mn x 10 <sup>3</sup>	PDI
20.0	1.13

**Synthesis Procedure:**

The polymerization scheme is as below:



**Characterization:**

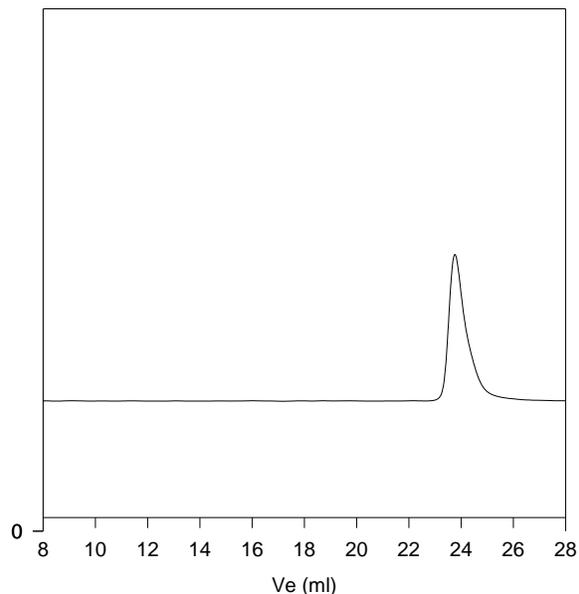
Size exclusion chromatography (SEC): Varian liquid chromatography equipped with UV and refractive, or a Viscotek TriSEC detector. Two sets of columns were used obtained from PSS-PFG 100 Ao column and RI detector. Calibration was achieved with PMMA (ref-Macromolecules, 2013, 46, 8845-8852). Eluent was 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<sub>n</sub>=20,000, M<sub>w</sub>=22,500, PI=1.13