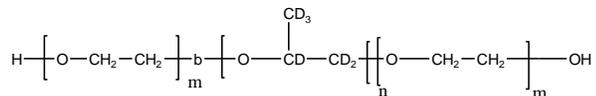


Sample Name:

Poly(ethylene oxide-b-deuterated propylene oxide-b-ethylene oxide)

Sample #: P3749-PEOdPPOPEO

Structure:



Composition:

Mn x 10 ³ PE0-b-dPPO-b-PEO	PDI
3.1-b-2.0-b-3.1	1.08

Synthesis Procedure:

By anionic process using protonated EO monomer and deuterated propylene oxide monomer.

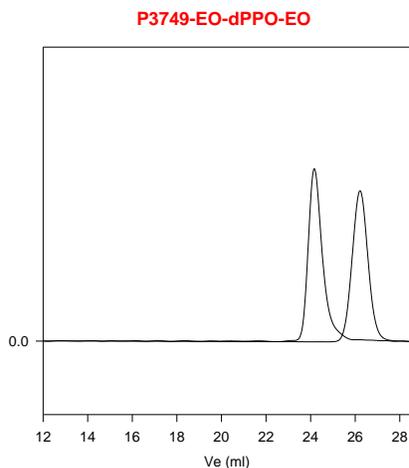
Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

Polymer is soluble in THF, CHCl₃, Toluene.

SEC:



Size exclusion chromatography of:
(Protonated ethylene oxide-deuterated propylene oxide)₆-Protonated ethylene oxide

Triblock copolymer:

- dPPO center Block M_n=2000, M_w=2200, PI=1.10
- Block Copolymer EO(3100)-b-dPPO(2000)-b-dEO(3100), PI=1.08
- Dp: EO(70)-b-dPPO(31)-b-EO(70)