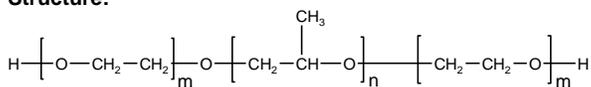


**Sample Name:**  
**Poly(ethylene oxide-b- propylene oxide -b- ethylene oxide)**

**Sample #:** P8729-EOPOEO

**Structure:**

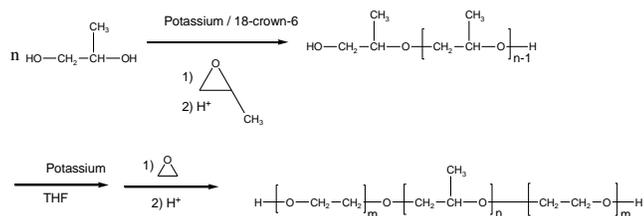


**Composition:**

Mn x 10 <sup>3</sup>	PDI
0.2-b-2.5-b-0.2	1.10

**Synthesis Procedure:**

Poly(ethylene oxide-b- propylene oxide -b- ethylene oxide) is prepared by living anionic polymerization with sequence addition of propylene oxide followed by ethylene oxide. The scheme of the reaction is illustrated below:



**Characterization:**

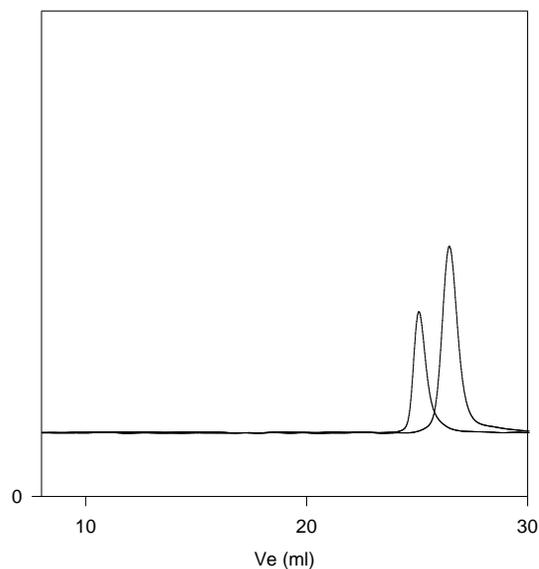
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**Solubility:**

Polymer is soluble in THF, CHCl<sub>3</sub>, Toluene.

**SEC of Sample:**

**P8729-EOPOEO**



Size exclusion chromatography of:  
 (ethylene oxide-propylene oxide-ethylene oxide) triblock copolymer:  
 — Poly(propylene oxide) center block: M<sub>n</sub>=2500, M<sub>w</sub>=2700, M<sub>w</sub>/M<sub>n</sub>=1.10  
 — Block Copolymer EO(200)-b-PO(2500)-b-EO(200), M<sub>w</sub>/M<sub>n</sub>=1.10

