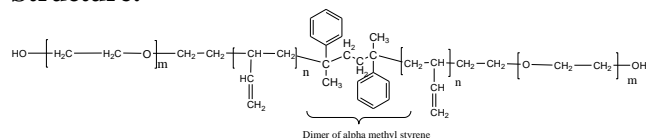


**Sample Name: Poly (ethylene oxide(or glycol)-b-butadiene-b- ethylene oxide (glycol)**

*Polybutadiene, 1,2-rich microstructure*

**Sample #:** P40646A-EOBdEO

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI	1,2 addition
35.0-b-10.0-b-35.0	1.25	>85%

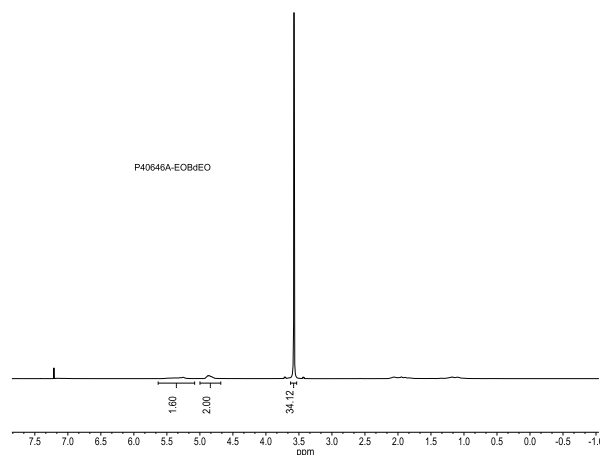
**Synthesis Procedure:**

1,2-rich microstructure addition dihydroxy terminated polybutadiene was prepared by anionic living polymerization (by lithium naphthalene) of butadiene in polar solvent such as THF at 0 °C followed by termination with ethylene oxide and than growing PEO block from its potassium salt.

**Characterization:**

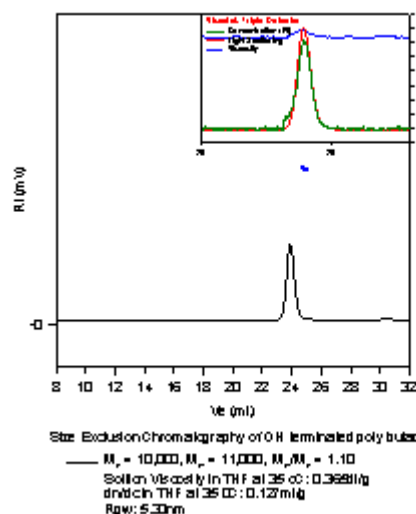
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**HNMR spectrum of the Product:**



**SEC elugram of Bd Block:**

**Bd2OH**



**SEC of elugram of the Sample:**

**P40646-EO-Bd-EO**

Concentration (mg/mL)	3.6810
Sample chldo (mL/g)	0.0570
Method File	P6804_Lines220170000.vnm
Column Set	3x PL 11136000
Solvent	THF

