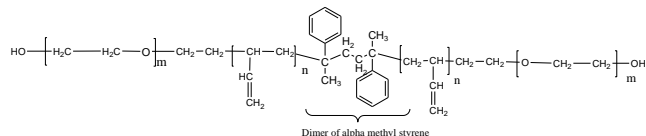


Sample Name: Poly (ethylene oxide(or glycol)-b-butadiene-b- ethylene oxide (glycol)

Polybutadiene, 1,2-rich microstructure

Sample #: P40646BB-EOBdEO

Structure:



Composition:

Mn x 10 ³	PDI	1,2 addition
24.0-b-10.0-b-24.0	1.25	>85%

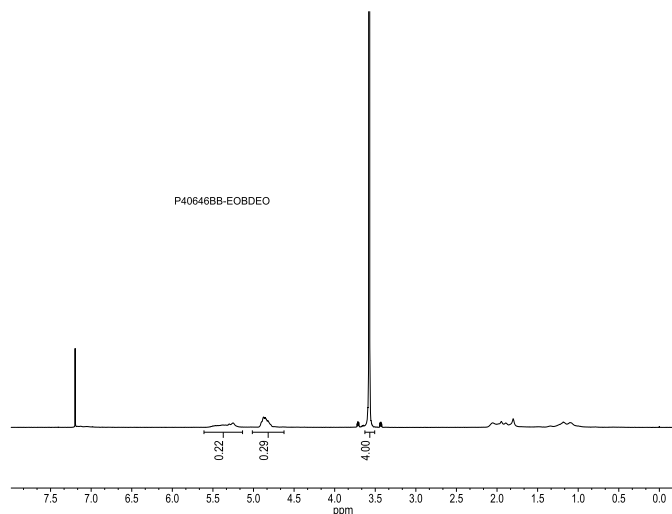
Synthesis Procedure:

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:

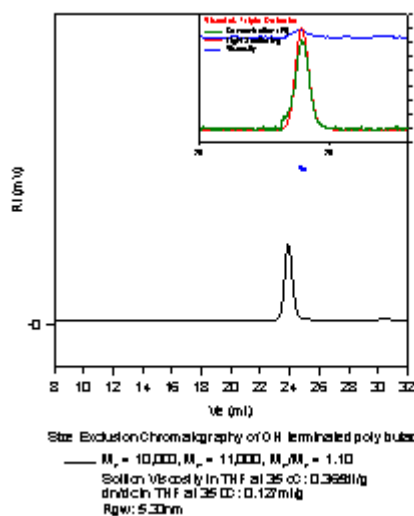
The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

HNMR spectrum of the Product:



SEC elugram of Bd Block:

Bd2OH



SEC elugram of the Sample:

P40646-EO-Bd-EO

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

