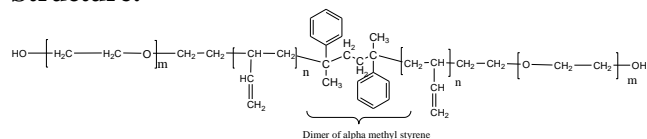


Sample Name: Poly (ethylene oxide(or glycol)-b-butadiene-b- ethylene oxide (glycol)
Polybutadiene, 1,2-rich microstructure

Sample #: P41728-EOBdEO

Structure:



Composition:

Mn x 10 ³ PEO-b-PBd-b-PEO	PDI	1,2 addition
37.0-b-10.5-b-37.0	1.01	>85%

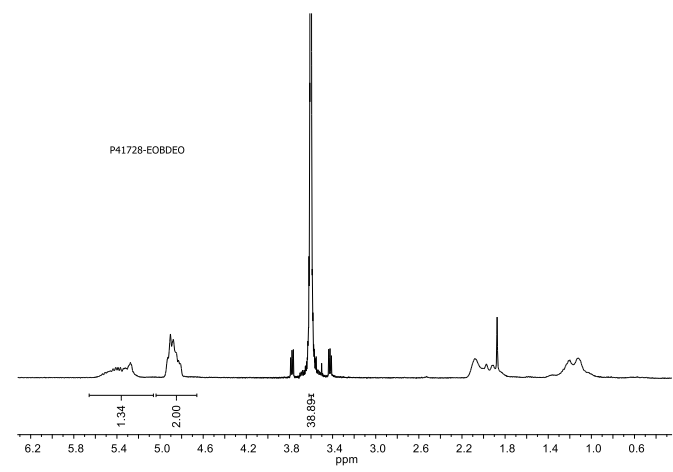
Synthesis Procedure:

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 then 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 of elugram of the Sample:

Agilent GPC/SEC Software

