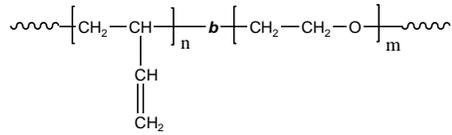


Sample Name: Poly (butadiene-b-ethylene oxide)

Sample #: P42211-BdEO

Poly butadiene rich in 1,2 microstructures

Structure



Composition:

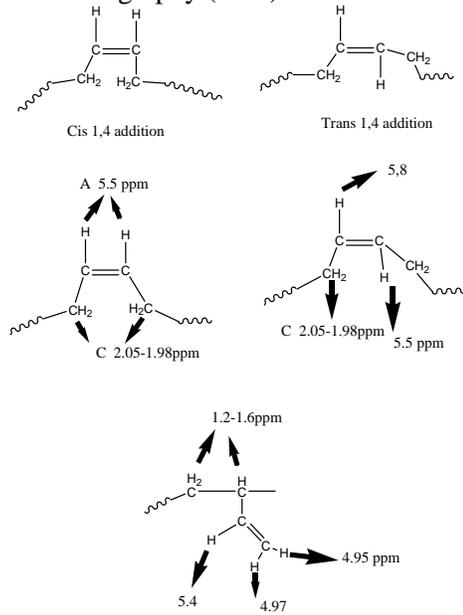
Mn x 10 ³ Bd-b-EO	Mw/Mn (PDI)	% 1,2 addition Butadiene
6.1-b-3.2	1.07	>90.0

Synthesis:

The polymer was synthesized by anionic polymerization process.

Characterization:

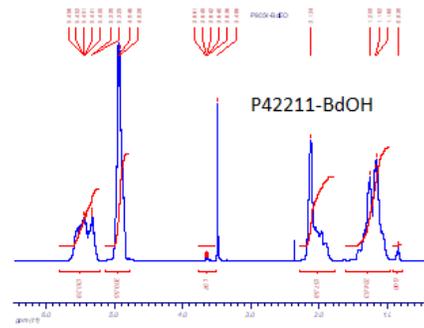
The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.



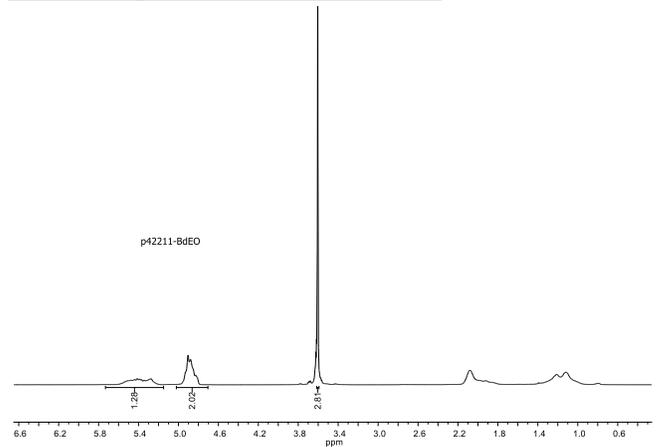
Solubility:

Polymer is soluble in DMF, THF, toluene, hexane, cyclohexane and CHCl₃.

¹H NMR spectrum of the BdOH Sample:

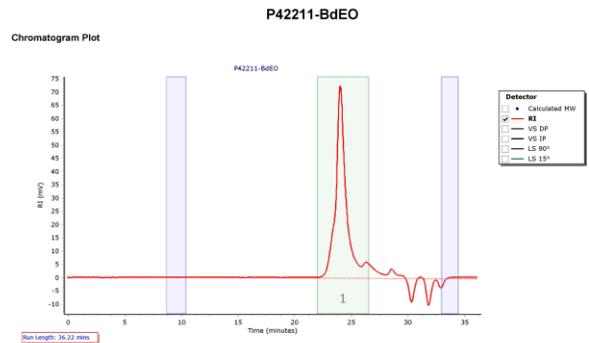


¹H NMR spectrum of the Polymer:



SEC elugram of the Sample:

Agilent GPC/SEC Software



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	10439	9365	10012	10563	11064	10301	1.069