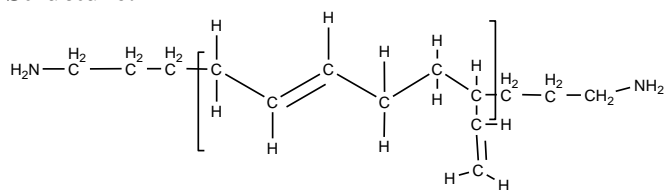


Sample Name: α - ω -Diamino terminated polybutadiene 1, 2- rich microstructure

Sample #: P41359-Bd2NH2

Structure:



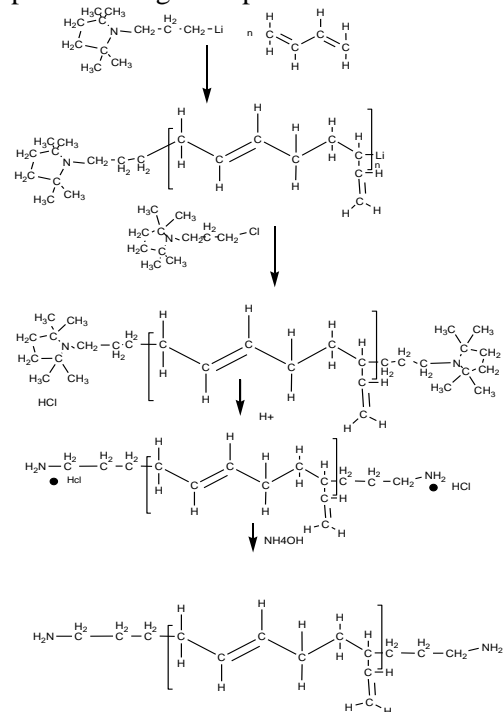
Composition:

Mn x 10 ³	PDI
9.5	1.2

Functionality	>90%
T _g	-45°C
1,2 addition	80%

Synthesis Procedure:

The polymer was prepared by anionic polymerization process using NH₂ protected initiator.



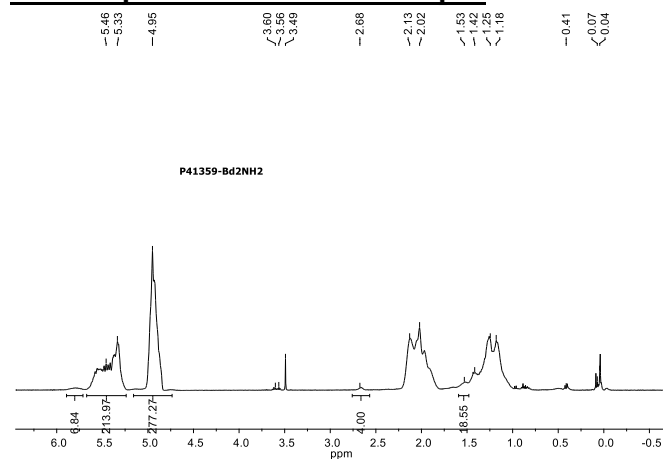
Characterization:

The polymer was characterized by SEC and ¹H NMR.

Functionality:

The functionality of polymer was determined by the titration with HClO₄ using crystal violet as the indicator.

HNMR spectrum of Bd2NH2 Sample:



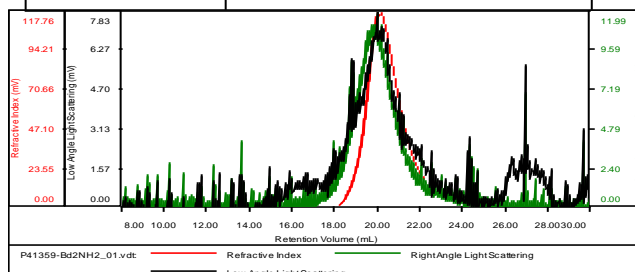
SEC elugram of the Sample:

P41359-BD2NH2

NH₂ terminal groups protected by Naphthyl isocyanate

to avoid adsorption with Column material

Concentration (mg/mL)	4.1007
Sample dn/dc (mL/g)	0.1250
Method File	PS100K-0504-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P41359-Bd2NH2_	9,355	11,208	1.198	0.3352	9,094