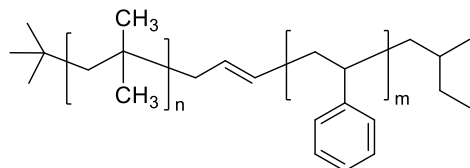


Sample Name: Poly(isobutylene-b-styrene)

Sample #: P42329-IB-S

Structure:

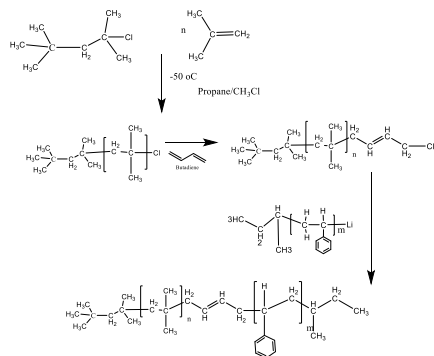


Composition:

Mn $\times 10^3$ Ib-b-S	Mw/Mn (PDI)
5.3-b-4.3	1.8

Synthesis Procedure:

The following reaction scheme shows how the product was prepared:

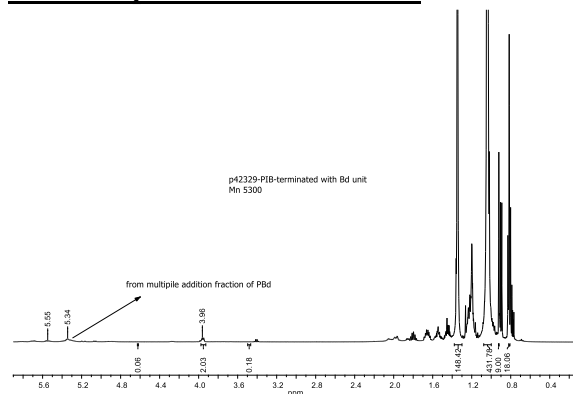


Characterization: The product was characterized by size exclusion chromatography (SEC) and ^1H NMR.

Solubility:

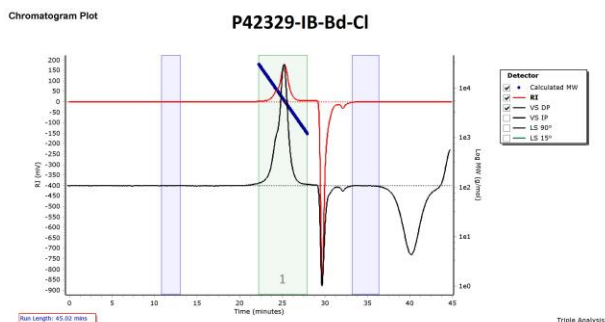
Poly(isobutylene-b-S) block copolymer is soluble in THF, toluene and hexane.

HNMR Spectrum of PIB-Bd-Cl:



SEC profile of the First Block of Poly isobutylene Cl terminated with a unit of Butadiene spacer:

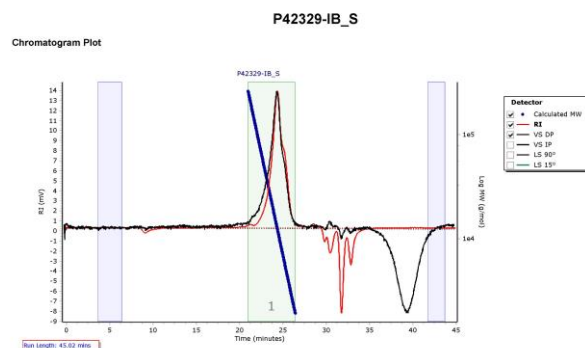
Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PD
Peak 1	5599	5321	5505	8160	10777	7602	1.223

SEC profile after linking Polystyrene Block:

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PD
Peak 1	12269	9609	17790	46538	116327	34101	1.85