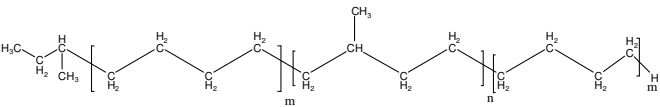


Sample Name:
Poly(Ethylene–b–Ethylene Propylene–b–Ethylene)
triblock copolymer

Other name:
Hydrogenated form of Poly(Butadiene–b–Isoprene–
b–Butadiene), predominantly in 1,4-addition

Sample # P19643A-EEPrE

Structure:



Composition:

$M_n \times 10^3$ (Bd-b-IP-b-Bd)	PDI
8.5-b-127.0-b-7.0 (by NMR)	1.09
After Hydrogenation 9.0-b-130.0-b-8.0	1.09

Degree of Hydrogenation	> 98%
-------------------------	-------

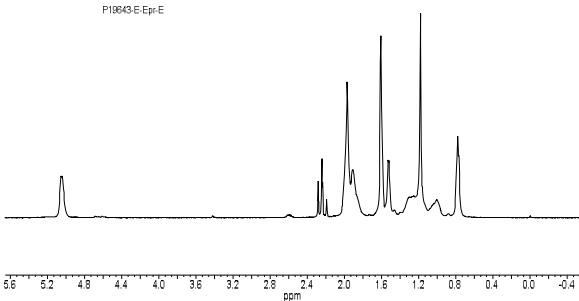
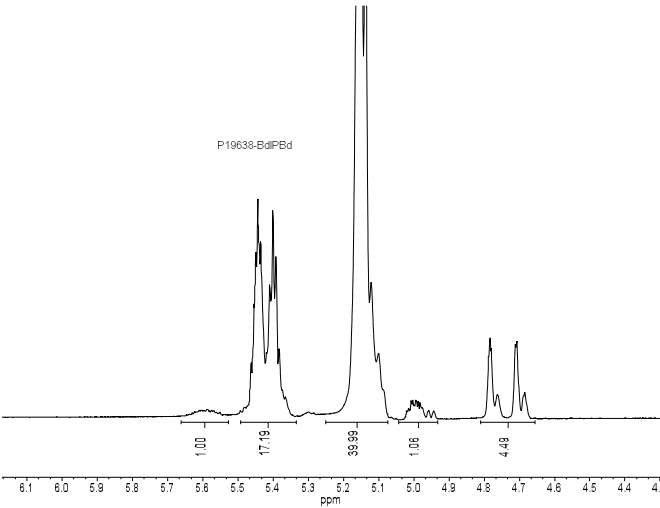
Synthesis Procedure:

The polymer was synthesized by anionic polymerization using cyclohexane as a solvent.

Characterization:

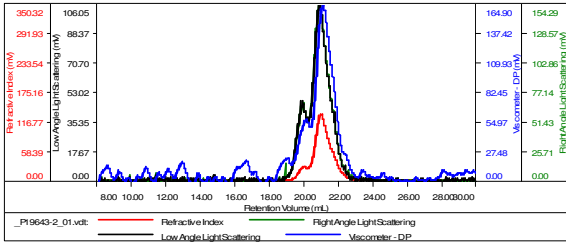
The polymer was analyzed by ^1H NMR, SEC, DSC.

^1H NMR of Bd-IP-Bd triblock copolymer in CDCl_3 :



SEC of Bd-IP diblock copolymer:
Sample ID-P19643-2 Bd IP

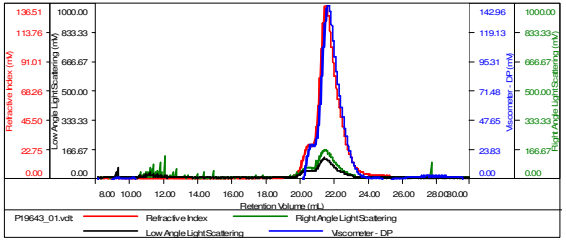
Concentration (mg/mL)	1.0775
Sample dn/dc (mL/g)	0.1250
Method File	PS80K-June80-2015-0000.vcm
Column Set	3x PL 1113-6000
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19643-2_01.vcl	137,173	139,567	128,941	1.018	5.8197

SEC of Bd-IP-Bd triblock copolymer:
Sample ID-P19643-BdIPBd

Concentration (mg/mL)	1.3294
Sample dn/dc (mL/g)	0.1250
Method File	PS80K-June80-2015-0000.vcm
Column Set	3x PL 1113-6000
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19643_01.vcl	143,669	153,123	130,273	1.066	3.9849