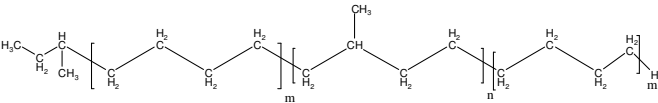


Sample Name:  
Poly(Ethylene–b–Ethylene Propylene–b–Ethylene)  
triblock copolymer

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

Sample # P19653A-EEPrE  
Structure:



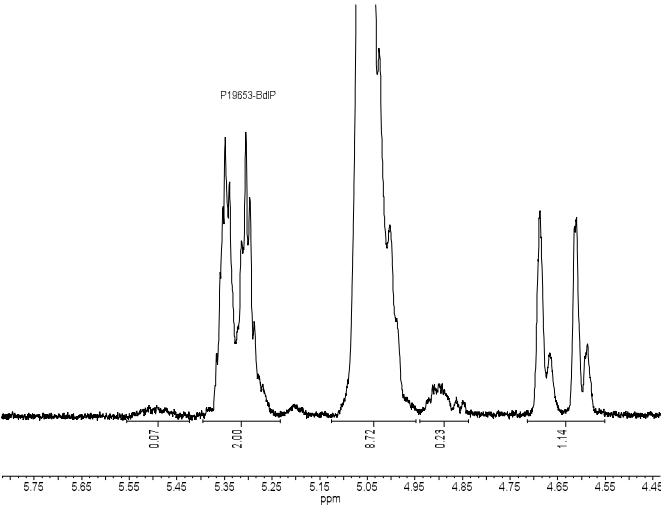
Composition:

$M_n \times 10^3$ (Bd-b-IP-b-Bd)	PDI
10.0-b-110.0-b-11.0 (by NMR)	1.09
After Hydrogenation 10.5-b-113.5-b-11.5	1.09

Degree of Hydrogenation	> 98%
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Synthesis Procedure:  
The polymer was synthesized by anionic  
polymerization using cyclohexane as a solvent.  
Characterization:  
The polymer was analyzed by <sup>1</sup>H NMR, SEC, DSC.

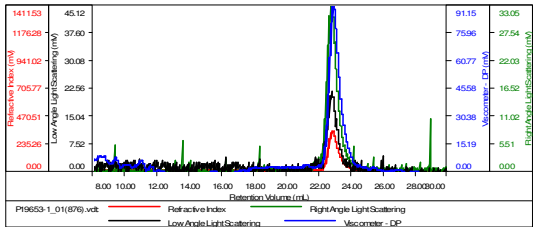
<sup>1</sup>H NMR of Bd-IP-Bd triblock copolymer in CDCl<sub>3</sub>:



SEC elugram:

Sample ID-P19653-1

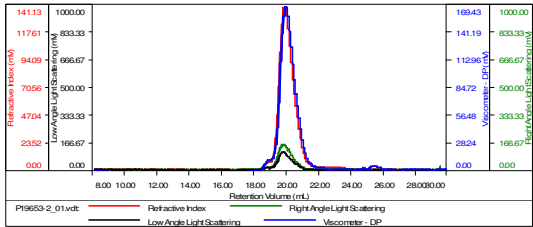
Concentration (mg/mL)	1.9090
Sample dn/dc (mL/g)	0.1250
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19653-1_01(876).vdt	10,113	10,174	9,689	1.005	1.1161

Sample ID-P19653-2

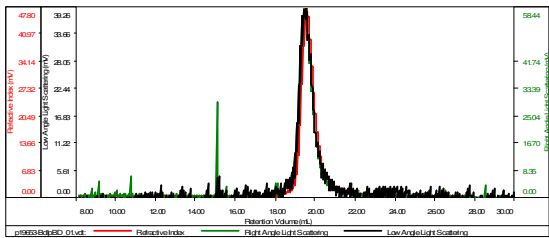
Concentration (mg/mL)	1.1284
Sample dn/dc (mL/g)	0.1250
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19653-2_01.vdt	121,244	124,122	114,353	1.024	4.6033

Sample ID-P19653-BdIPBD

Concentration (mg/mL)	0.3080
Sample dn/dc (mL/g)	0.1250
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
p19653-BdIPBD_01.vdt	131,444	134,596	130,793	1.024	4.7267