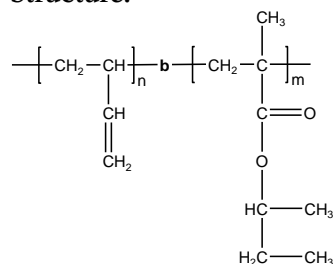


**Sample Name:** Poly(1,2-butadiene-b-s-butyl methacrylate)

**Sample #:** P18500-BdsBuMA

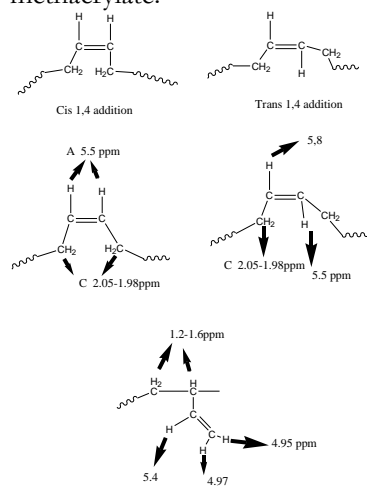
**Structure:**



**Composition:**

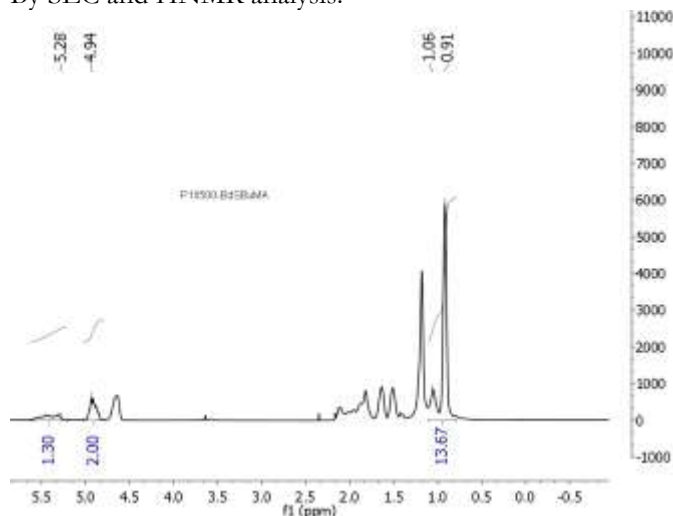
Mn x 10 <sup>3</sup> Bd-b-sBuMA	Mw/Mn (PDI)
40.0-b-208.0	1.16
T <sub>g</sub> for Bd block: -11°C	T <sub>g</sub> for sBuMA block: 74°C

**Synthesis Procedure:** Poly(1,2-butadiene-b-s-butyl methacrylate) is prepared by living anionic polymerization with sequence addition of butadiene followed by sec butyl methacrylate.



**Characterization:**

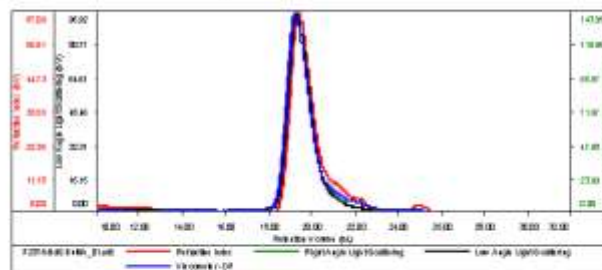
By SEC and HNMR analysis:



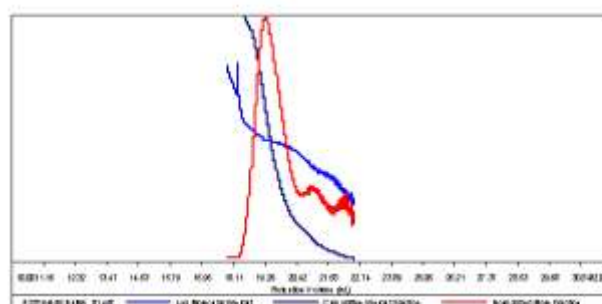
**SEC profile of the block copolymer**

**Sample ID:** P18500-BdSec BuMA

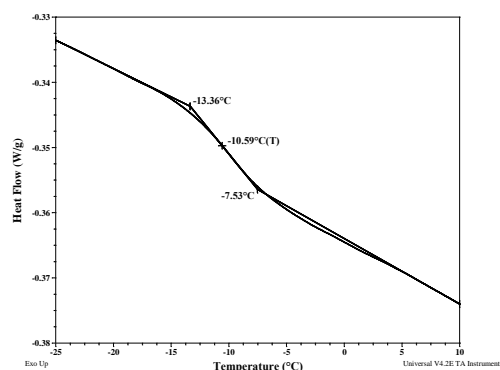
Concentration (mg/ml)	2.7266
Sample dn/dc (ml/g)	0.0960
Method File	PS800-Feb10-2014-0000.vcm
Column Set	3x PL 1115-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
BdsBuMA_01.vdt	240,404	287,719	300,799	1.156	2.0634



**DSC thermogram for Bd block:**



**DSC thermogram for sBuMA block:**

