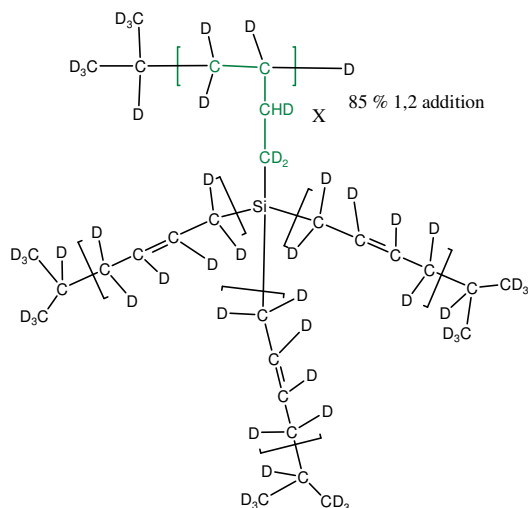


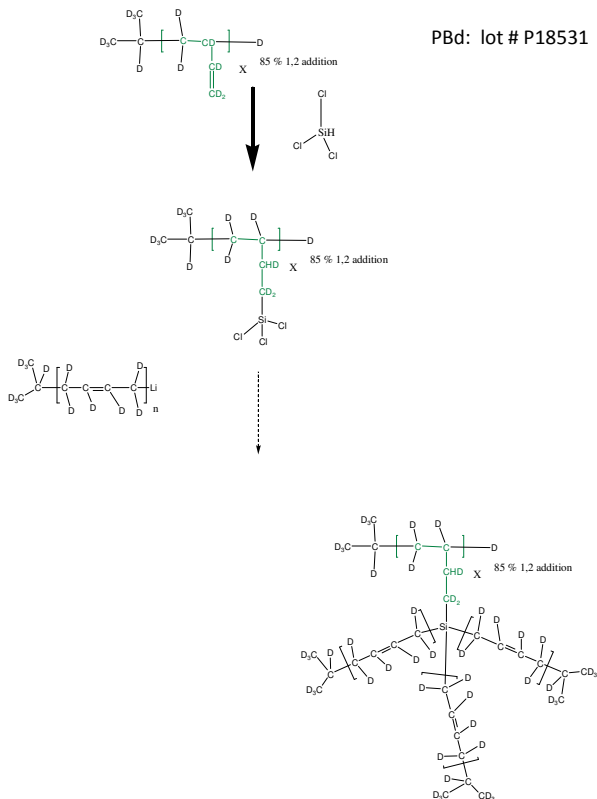
Sample Name:  
**Completely Deuterated Multiarm PolyButadiene**

Sample # P18535B-95dBd  
**95-arm deuterated 1,4-polybutadiene**



$M_n$ of arm (g/mol)	Total $M_n$ (g/mol)	$M_w/M_n$
1,200	114,000	1.1

### Synthesis:

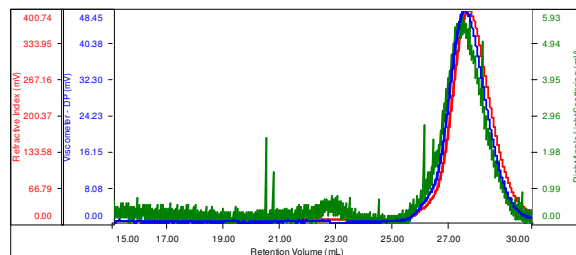


### Characterization:

SEC elugram of polybutadiene (arm):

**Sample ID: P18535-Bd Branch**

Concentration (mg/mL)	31.2137
Sample dn/dc (mL/g)	0.1270
Method File	PS80K-March7-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1

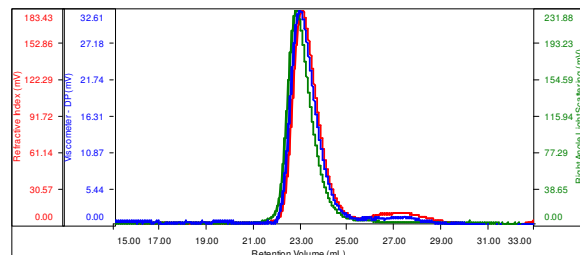


Sample	Mn	Mw	Mp	Mw/Mn	IV
P18535-dBd_branch__01.vdt	1,230	1,462	1,259	1.189	0.0584

SEC elugram of multi-arm polybutadiene:

**Sample ID: P18535-B dBd star**

Concentration (mg/mL)	10.6270
Sample dn/dc (mL/g)	0.1270
Method File	PS80K-March7-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18535B_01.vdt	114,084	126,243	128,452	1.107	0.0873