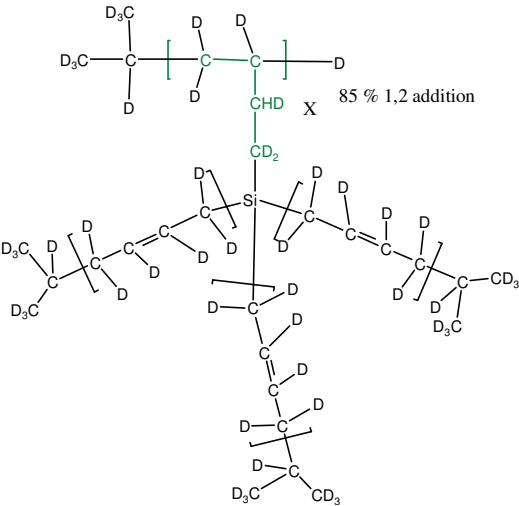


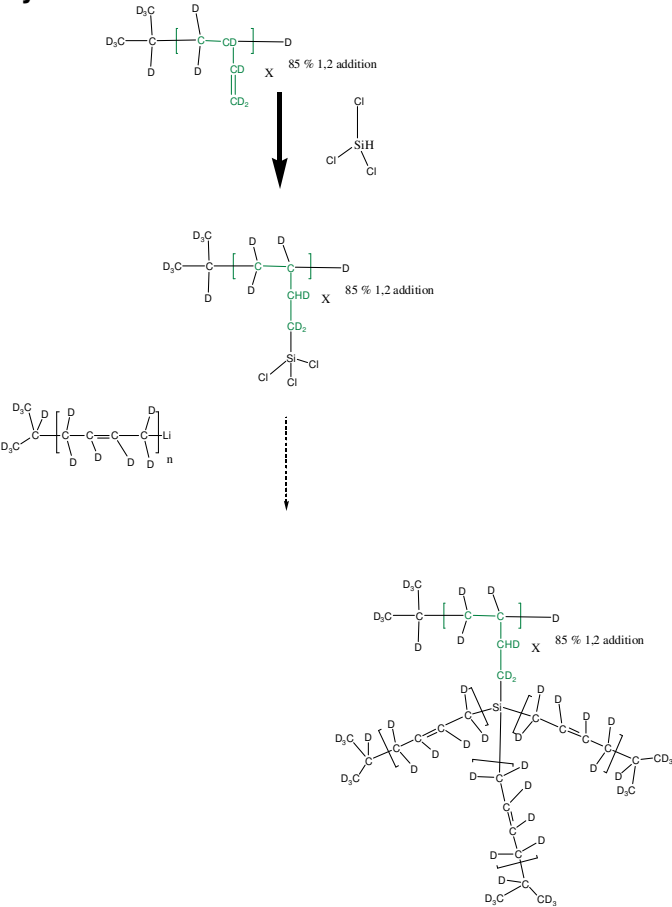
Sample Name:
Complete Deuterated Multiarm PolyButadiene

Sample # P18538-dBd
55-arm deuterated 1,4-polybutadiene



Mn x 10 ³ (total)	PDI
56.5	1.10
Mn of each arm: (1.0)	

Synthesis:



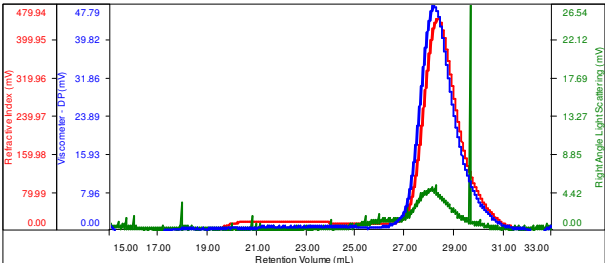
Linker : Lot# P1853;
Branch Molecular weights determined from RI signal:

Characterization:

SEC elugram of polybutadiene (arm):

Sample ID: P18538-Bd Branch

Concentration (mg/mL)	34.2680
Sample dn/dc (mL/g)	0.1270
Method File	PS80K-March7-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1

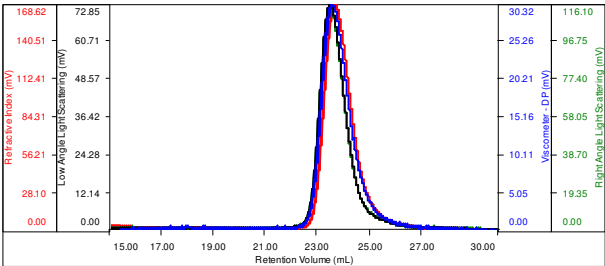


Sample	Mn	Mw	Mp	Mw/Mn	IV
P18538-dBd_branch_01.vdt	972	1,202	958	1.238	0.0510

SEC elugram of multi-arm polybutadiene:

Sample ID: P18538-Bd star

Concentration (mg/mL)	9.6034
Sample dn/dc (mL/g)	0.1275
Method File	PS80K-March7-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18538-dBD_Star_01.vdt	56,498	63,954	64,278	1.132	0.0904