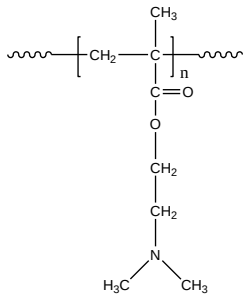
Sample Name: **Poly(N-N-diisopropyl aminoethyl methacrylate)**

Sample #: **P40840A-DIPAEMA**

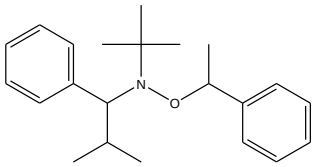
Structure:



Composition:

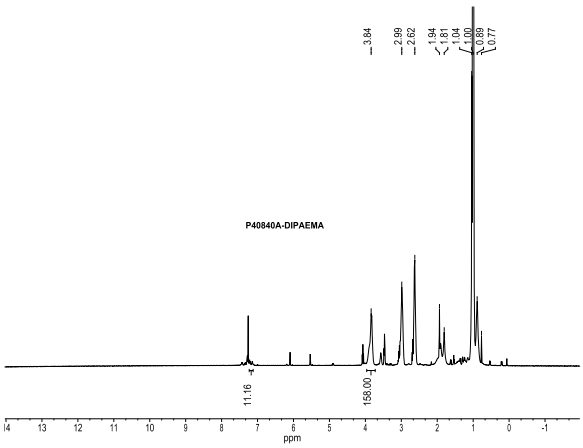
Mn x 10^3	PDI
18.0	1.7

Synthesis:
The polymer was synthesized by ATRP polymerization process using 2,2,5-trimethyl-3-(1'-phenylethoxy)-4-phenyl-3-azahexane as below:



Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR.

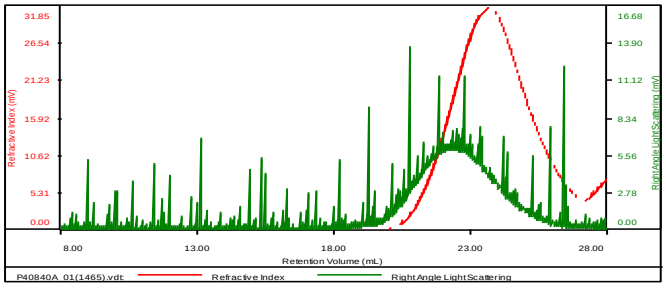
^{1}HNMR spectrum of the sample:



SEC elugram of Homopolymer:

P40840A-DIPAEMA

Concentration (mg/mL)	0.7494
Sample dn/dc (mL/g)	0.0840
Method File	PS100K-SEPT19-2017-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40840A_01(1465).vdt	17,781	31,098	1.749	0.1620	19,978