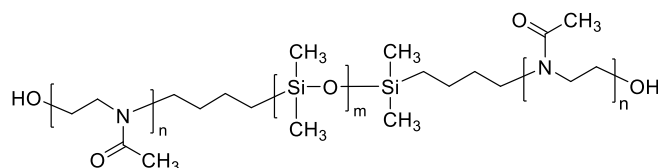


Product Name: Poly(2-methyl oxazoline)-*block*-poly(dimethyl siloxane)-*block*-poly(2-methyl oxazoline), with *n*-butyl link between blocks

Product # P42638B-MEOXZDMSMEOXZ

Structure:

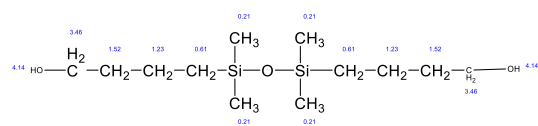


Composition:

$M_n \times 10^3$ (g/mol) [MEOXZ- <i>b</i> -DMS- <i>b</i> -MEOXZ]	M_w/M_n
2.5- <i>b</i> -11.5- <i>b</i> -2.5	1.3
Degree of polymerization (D_p):	30- <i>b</i> -155- <i>b</i> -30

Synthesis procedure:

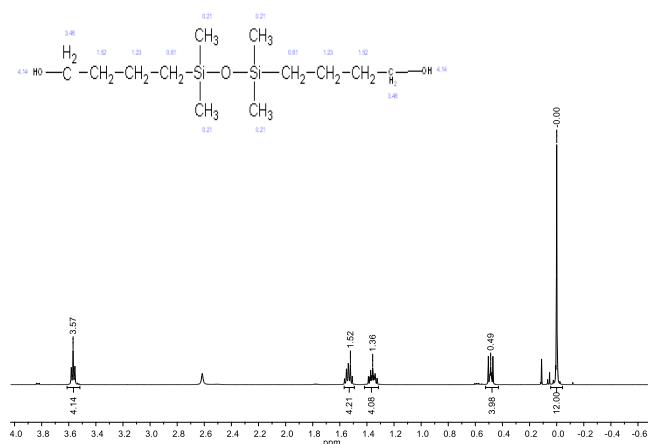
The triblock copolymer was synthesized by cationic polymerization technique, using the following linker :



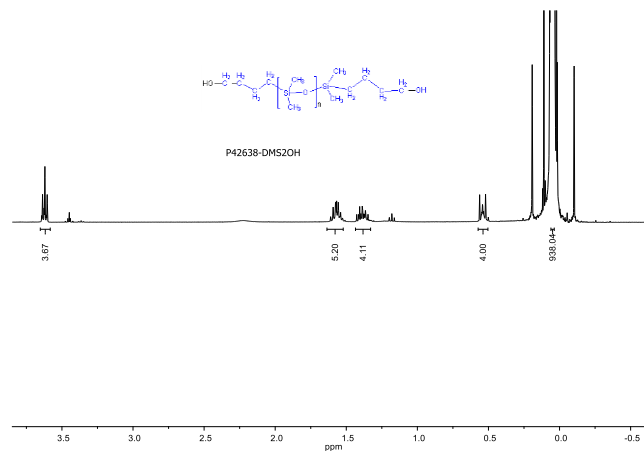
Characterization:

The ratio between blocks was calculated by proton NMR spectroscopy. The molecular weight and polydispersity index were determined by size exclusion chromatography (SEC) by triple analysis method.

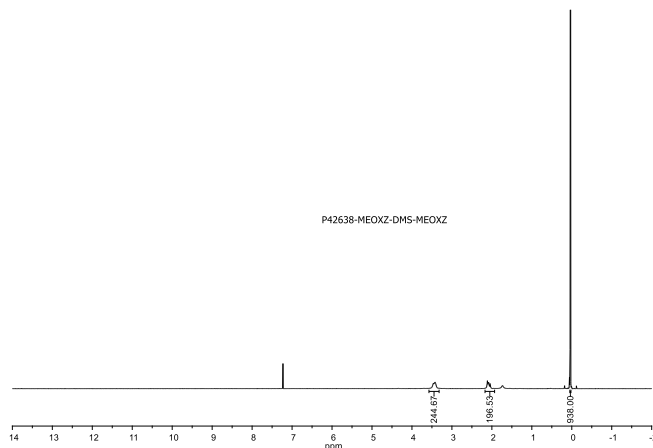
^1H NMR spectrum of the linker:



^1H NMR spectrum of the PDMS-dicarbinol:



^1H NMR spectrum of the triblock copolymer:



SEC of PDMS-dicarbinol:

Workspace Details
Workspace name Calibration 2020-05-25
Location C:\ProgramData\Agilent Technologies\GPC\Workspaces\Calibration 2020-05-25
Comments
Created by agilent2 at 10:50:19 AM on May-25-20

Chromatogram Plot

