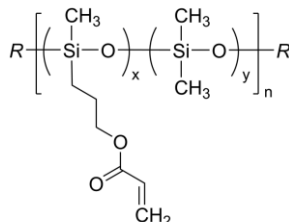


Sample Name: Poly(acryloxypropylmethylsiloxane-co-dimethylsiloxane), random

Sample #: P42224A-AcPrMSDMSran

Structure:



Composition:

Mn x 10 ³	PDI
5.5	1.4

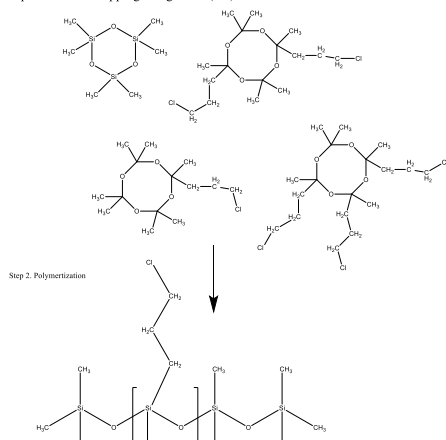
# of AcPrMS units	18 per 100 units of PDMS
Ratio of DMS: AcPrMS	5.5:1

Synthesis Procedure:

The polymer was synthesized by Cationic polymerization process using trifluorosulfonic acid using following 2 cyclic siloxane monomers mixture:

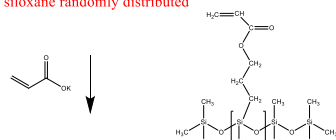
Three steps process to get random copolymer

Synthesis of Cyclics of the following architecture and mixe them and to perform cationic process. End capping using TMS-(ET)3N or HMDS



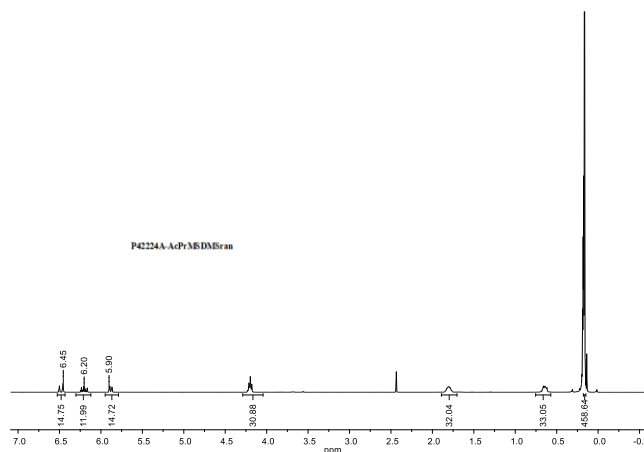
Chloropropyl methyl siloxane randomly distributed

Step 3 : functionalization



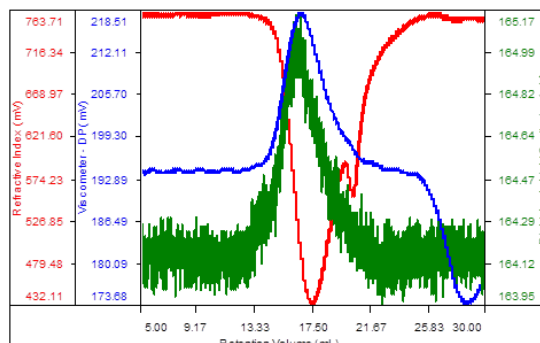
(acryloxypropyl)methylsiloxane] - Dimethylsiloxane copolymer

HNMR spectrum of the polymer:



SEC elugram of the Sample:

dn/dc	0.0900
Solvent	Toluene
Flow Rate	1.0000
Method	PS100K-July2019-0001.vcm



Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.