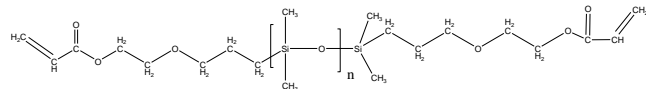


Sample Name:
 α,ω -diacryloxy Terminated Polydimethylsiloxane
Propyl Ethoxy linker

Sample #: P40664-DMS2Acrylate

Structure:



Composition:

Mn x 10 ³	PDI
0.7	1.25

Synthesis Procedure:

α,ω -diacryloxy Terminated Polydimethylsiloxane was synthesized by anionic polymerization process.

Characterization:

The polymer was characterized by ¹H NMR and SEC.

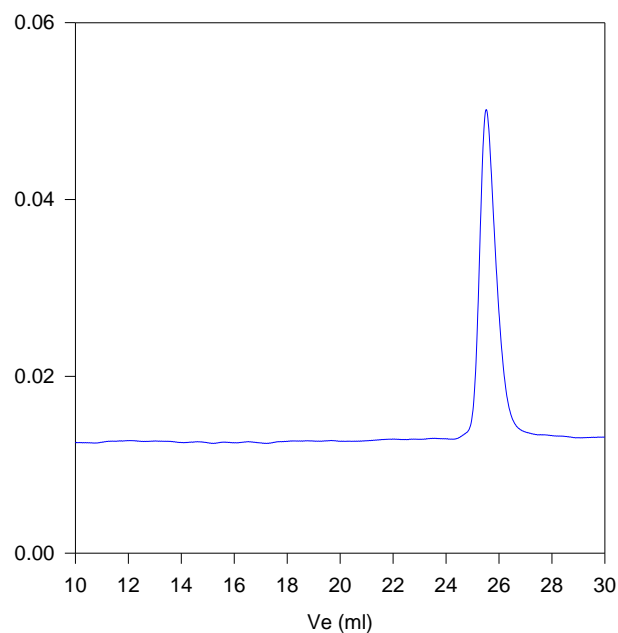
¹H NMR spectrum of the polymer:

Carbinol to determine molecular weights by HNMR



SEC of Homopolymer:

P40664-DMS2acryloxy



Size Exclusion Chromatography of product

M_n = 700, M_w = 900, M_w/M_n = 1.25

Reference:

J.X. Zhang, S.K. Varshney, "Simple Approach for the Scale-up Production of Block Copolymer of Polydimethylsiloxane with (Meth)acrylic Ester Monomers" Designed Monomers and Polymers, 2002, 1, 79.