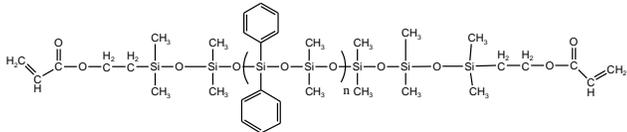


Sample Name:

α - ω diacrylate terminated random copolymer of Poly(dimethyl siloxane and poly diphenyl siloxane)

Sample #: P7235-DMSDPS-2Acrylate

Structure:



Composition: 17% diphenyl siloxane

$M_n \times 10^3$	PDI
12.0	1.4
Functionality	Around 60%

Synthesis Procedure:

The polymer was prepared by Cationic polymerization process then modification of terminal silanol to diacrylate.

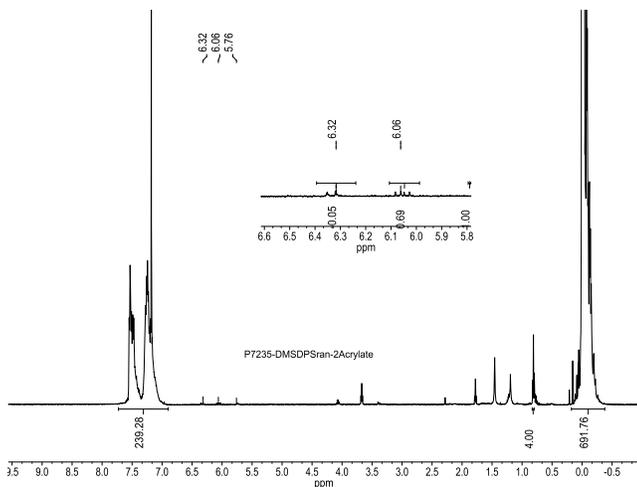
Characterization:

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

Solubility:

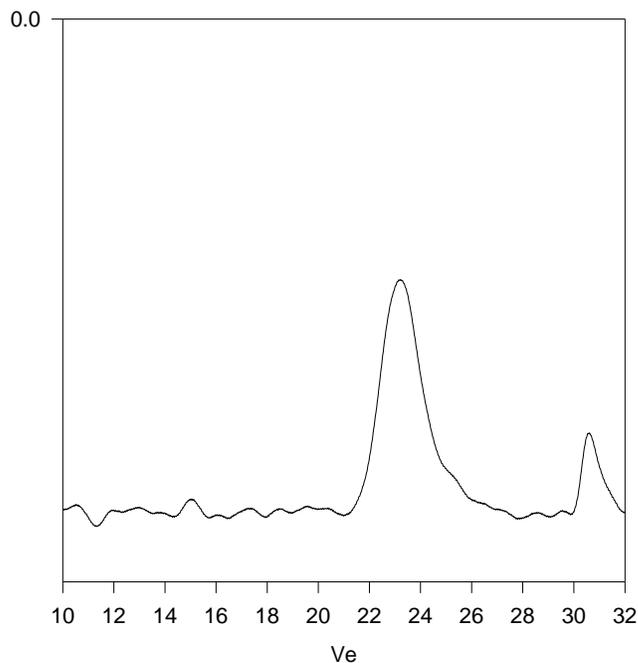
The polymer is soluble in CHCl_3 , THF. It is precipitated out from cold ethanol, isopropanol.

^1H NMR spectrum of the product:



SEC of Sample:

P7235-DMSDPS-2acrylate



$M_n=12,000$, $M_w=17,000$, $M_w/M_n = 1.4$