

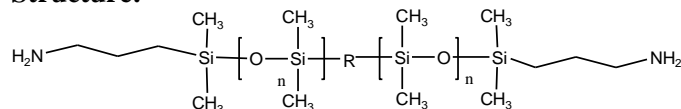
Sample Name:

α,ω - Amino Terminated Polydimethylsiloxane

SEC of Sample:

Sample #: P4321-DMS2NH2

Structure:

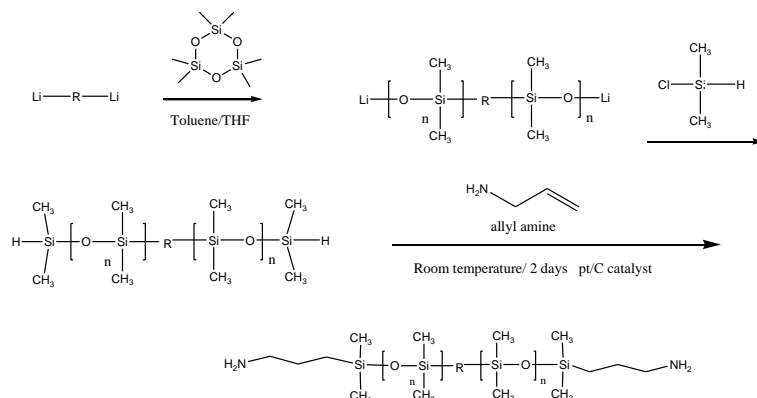


Composition:

$M_n \times 10^3$	PDI
2.0	1.5

Synthesis Procedure:

α,ω diamino Terminated Polydimethylsiloxane was prepared by anionic living polymerization of hexamethyl cyclotrisiloxane, followed by a hydrosilation with allylamine. The scheme of the reaction is illustrated below:



Characterization:

The molecular weight and polydispersity index of this polymer were by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

Polymer is soluble in hexane, toluene, benzene and CHCl_3 , THF. It precipitated out from cold ethanol, methanol.

P4321-DMS2NH2

