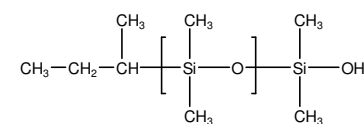
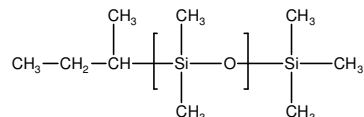


Sample Name: Polysiloxane

Sample #: P1114-DMS

Structure:

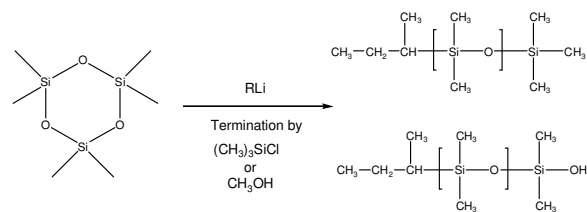


Composition:

Mn x 10 ³	PDI
49.0	1.50

Synthesis Procedure:

The polymerization of the cyclic trimer (hexamethyl cyclotrisiloxane-D3) was initiated with a monofunctional lithium based initiator in a polar / non-polar solvent mixture.



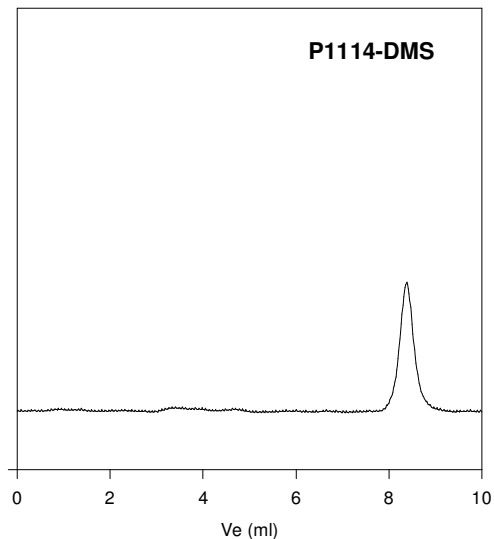
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

Polysiloxane is soluble in hexane, toluene, cyclohexane, THF and chloroform but precipitates from methanol and ethanol.

SEC of Homopolymer:



Size Exclusion Chromatography of Poly(dimethyl siloxane)

M_n=49000, M_w=73500, PI=1.50