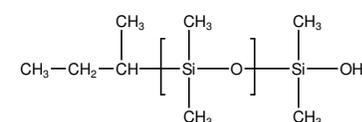
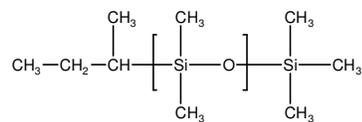


**Sample Name: Poly(dimethyl siloxane)
Disilanol terminal group**

Sample #: P3682-DMS

Structure:

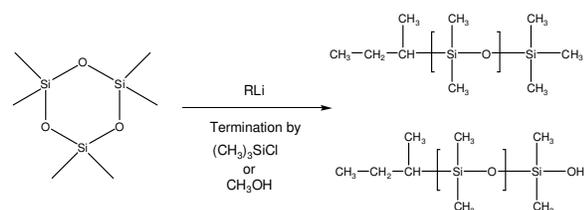


Composition:

Mn x 10 ³	PDI
2.0	1.40

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.



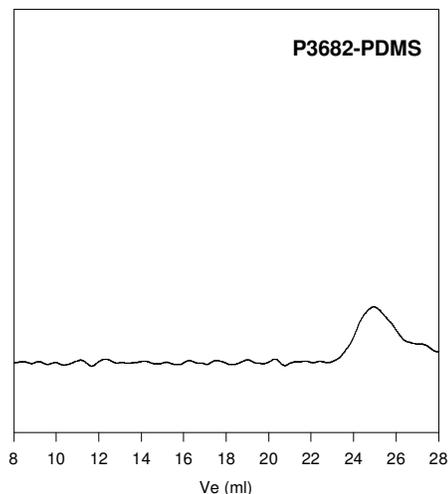
Characterization:

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 in THF at 35 oC w.r.t PDMS standards.

M_n = 2000, M_w = 2800, PI = 1.4