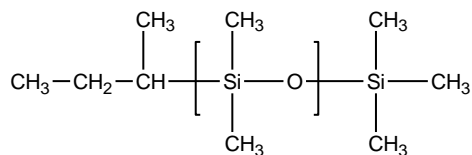


Sample Name: Poly(dimethyl siloxane),
(α -sec-butyl, ω -trimethylsiloxy)-
terminated

Sample #: P44310A-DMS-TMS

Structure:

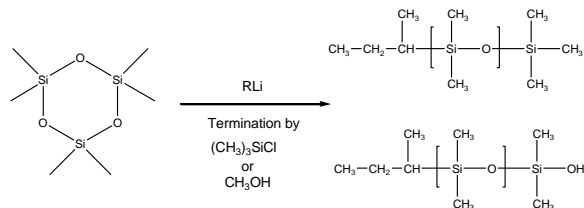


Composition:

Mn x 10 ³	PDI
39.0	1.07

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 profile of Homopolymer:

