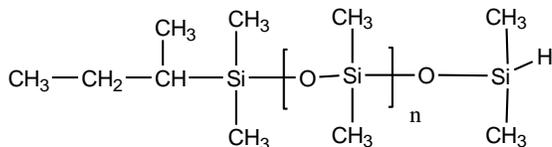


Sample Name:

ω - Silane end Terminated Polydimethylsiloxane

Sample #: P42578-DMSSiH

Structure:



Composition:

$M_n \times 10^3$	PDI
1.3	1.06
SiH functionality	>99%

Synthesis Procedure:

The polymer is prepared by anionic polymerization process.

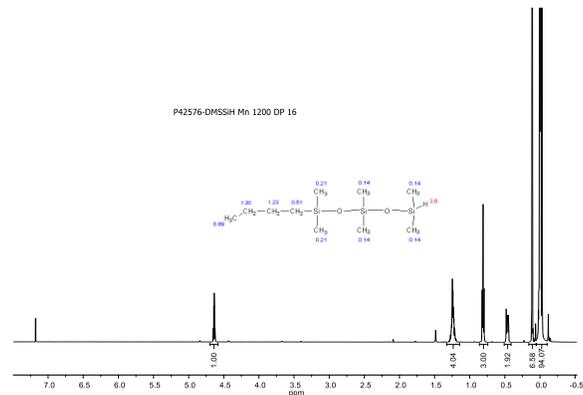
Characterization:

The molecular weight was calculated from NMR by comparing the *sec*-BuLi methyl group protons at 0.95ppm and the dimethylsiloxane methyl group at 0.08ppm, the polydispersity index of this polymer was determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

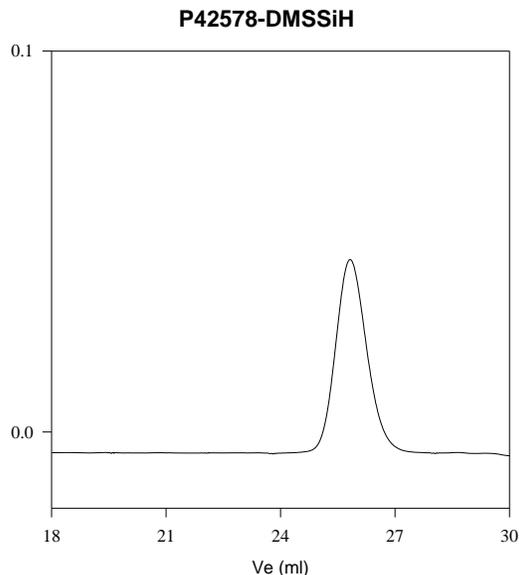
Solubility:

The polymer is soluble in hexane, toluene, cyclohexane, THF and chloroform and it precipitates from methanol and ethanol.

1H -NMR spectrum of the product:



SEC profile of the product:



Size exclusion chromatograph of PDMS

$M_n=1,300$ $M_w=1400$, $PI=1.06$