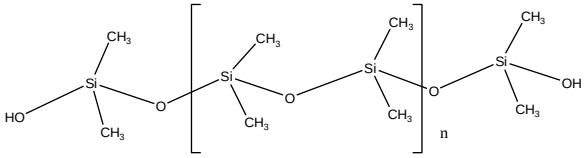
Sample Name: **Poly (dimethyl siloxane), α,ω-bis(silanol)-terminated**

Sample #: **P41907-DMS**

Structure:



Composition:

Mn	PDI
1.6	1.33

T_m (°C):-42	T_c (°C):-71 T_g (°C): -127 (Lit.)

Synthesis Procedure:
The polymer was synthesized by anionic polymerization process.

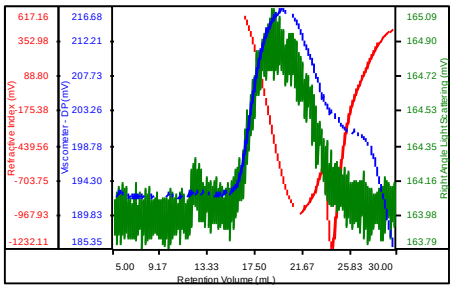
Characterization:
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography in toluene. SEC was calibrated with well characterized poly dimethyl siloxane polymers.
^{1}H NMR of the PDMS end functionalized with Carbinol was used to determine molecular weights.

Solubility:
Poly (dimethyl siloxane), α,ω-bis(silanol)-terminated is soluble in hexane, toluene, cylcohexane, THF and chloroform but precipitates from methanol and ethanol.

SEC of Homopolymer:

P41907-DMS-2OH(silanol)

dn/dc	0.0900
Solvent	Toluene
Flow Rate	1.0000
Method	PS100K-July2019-0001.vcm



Sample	Mn	Mw	Mz	IV	Mw/Mn
2019-07-19_17;28;53_P41907-DMS-2SIC	1,619	2,163	3,430	0.0233	1.336