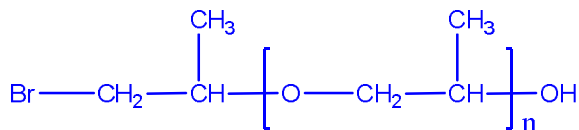


Sample Name:
Poly(propylene glycol)

Sample #: P18681-POBrOH

Structure:

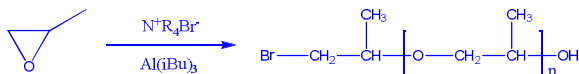


Composition:

$M_n \times 10^3$	PDI
15.5	1.5

Synthesis Procedure:

Polypropylene oxide is synthesized by anionic polymerization of propylene oxide as illustrated in the reaction scheme below:



Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

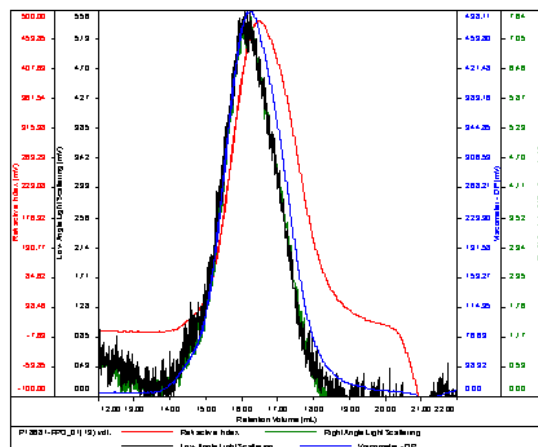
Solubility:

Polymer is soluble in CHCl_3 , methanol, ethanol, THF, toluene.

SEC of the polymer:

SAMPLE ID: P18681-PP0

Conc (g/mL)	47.2398
dn/dc (mL/g)	0.0350
Method	ps 80K-4May2014-0003.uvm
Solvent	DHBF w/ 0.03M LiBr
Column	PGS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18681-PP0_01 (19).udt	15,442	23,353	23,391	1.512	0.2320

